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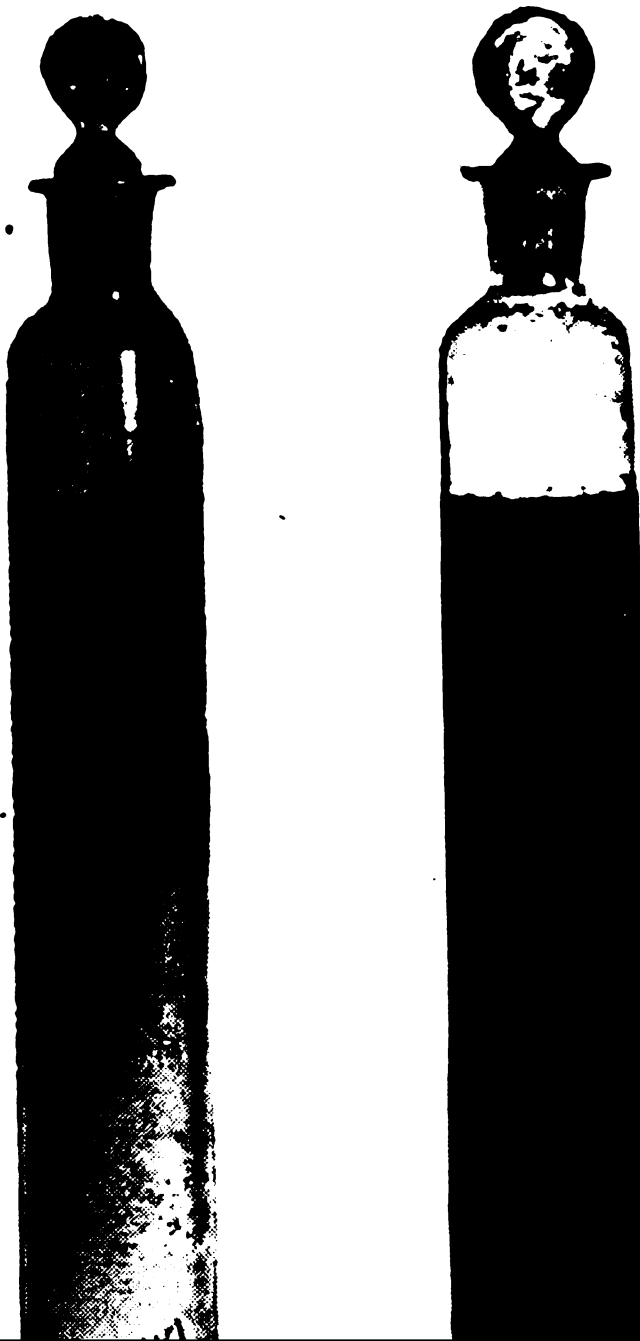
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Bulletin

Canada. Experimental Farms Service, Canada.
Central Experimental Farm, Ottawa



CENTRAL EXPERIMENTAL FARM, DEPARTMENT OF AGRICULTURE

CATALOGUE

OF THE

TREES AND SHRUBS

IN THE

ARBORETUM AND BOTANIC GARDEN

AT THE

CENTRAL EXPERIMENTAL FARM

OTTAWA, ONTARIO, CANADA

[Published by Direction of the Hon. Sydney A. Fisher, Minister of Agriculture.]

OTTAWA

GOVERNMENT PRINTING BUREAU

1899



Deciduous Trees and Shrubs in the Arboretum at the Central Experimental Farm.

CENTRAL EXPERIMENTAL FARM, DEPARTMENT OF AGRICULTURE

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TREES AND SHRUBS

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CENTRAL EXPERIMENTAL FARM

OTTAWA, ONTARIO, CANADA

BY

WM. SAUNDERS, LL.D., F.R.S.C., F.L.S.,

Director Experimental Farms

AND

W. T. MACOUN, *Horticulturist of Central Experimental Farm
and Curator of Arboretum and Botanic Garden*

BULLETIN No. 2, SECOND SERIES, JUNE, 1899

Bulletins of the Second Series treat of such subjects as are of interest to a limited class of readers and will be mailed only to those to whom the information is likely to be useful. Copies may, however, be obtained by any one desiring them on application to the Director of Experimental Farms.

[Published by Direction of the Hon. Sydney A. Fisher, Minister of Agriculture.]

OTTAWA

GOVERNMENT PRINTING BUREAU

1899

To the Honourable
The Minister of Agriculture.

SIR,—I have the honour to submit for your approval a catalogue of the trees and shrubs which have been tested in the Arboretum and Botanic Garden at the Central Experimental Farm during the past ten years, prepared jointly by Mr. W. T. Macoun, Horticulturist and Curator of the Arboretum, and myself. In the compilation of this work the chief part of the labour has fallen on Mr. Macoun, who has also taken most of the notes on the relative hardiness of the species.

In this list the species and varieties have been arranged alphabetically, under their scientific names, and in all cases where common names could be found, these also have been given, with the name of the country from whence the different species and varieties have been obtained.

It is hoped that the information presented in this work will be found helpful to all lovers of trees and shrubs in this country; that it may assist in the correct naming of varieties and may be the means of bringing such useful and hardy species as are deserving of more general cultivation into greater prominence. It will also no doubt assist in giving correct ideas to all who may be interested in this subject, both at home and abroad, as to the true character of the climate of this part of the Dominion.

I have the honour to be
Your obedient servant,

WM. SAUNDERS,
Director Experimental Farms.

OTTAWA, 20th June, 1899.

CATALOGUE
OF THE
TREES AND SHRUBS
IN THE
ARBORETUM AND BOTANIC GARDEN
AT THE
CENTRAL EXPERIMENTAL FARM
OTTAWA, ONTARIO, CANADA

By WM. SAUNDERS, LL.D., DIRECTOR OF EXPERIMENTAL FARMS,
And W. T. MACOUN, HORTICULTURIST OF CENTRAL EXPERIMENTAL
FARM AND CURATOR OF ARBORETUM AND BOTANIC GARDEN.

When the Central Experimental Farm was established at Ottawa, in 1886, it was decided that a portion of the land purchased, consisting of sixty-five acres out of a total of four hundred and sixty-five, should be devoted to the purposes of an Arboretum and Botanic Garden, where trees, shrubs and plants from all parts of the world could be brought together and tested as to their hardiness and adaptability to this climate.

Work was begun on the Experimental Farm in the spring of 1887, but the first planting in the Arboretum and Botanic Garden was not done until the autumn of 1889. During that season 200 species of trees and shrubs were planted, two specimens of each, grouped in their natural orders. In planting these they were placed at such distances from each other as was thought would be sufficient to permit of the full growth and development of the individual specimens. Many additions were made from year to year, and in 1894 the collection contained about 600 species and varieties. Up to that time this part of the work had been in charge of Dr. James Fletcher, Botanist and Entomologist of the Dominion Experimental Farms, under whose care great progress had been made. In the spring of 1895, at the request of Dr. Fletcher, a change was made and the Botanic Garden and Arboretum was placed in charge of Mr. W. T. Macoun, who was then the Director's Assistant and Foreman of Forestry. In the spring of 1898 Mr. Macoun was appointed Horticulturist of the Central Experimental Farm and Curator of the Arboretum and Botanic Garden, and under his energetic management, aided by such advice and oversight as the Director has been able to give, this collection has been rapidly increased. The total number of species and varieties which have been, or are now, under test, all of which are referred to in the accompanying catalogue, is 3,071. Of these, 1,465 have been found hardy, 330 half hardy, 229 tender, 307 have been winter killed, and 740 have not been planted long enough to admit of an opinion being given as to their hardiness. Where they have been tested one or more winters an opinion has been expressed on this point based on the experience had. Those which

have passed through one or more winters uninjured, or with very slight injury to the tips only of the branches, have been pronounced hardy; where the new wood has been killed back from one-fourth to one half its growth, such are said to be half hardy, and those which have had their wood killed in winter to the snow line or to the ground have been noted as tender. Where the experience of one winter only has been had, the conclusions reached can only be regarded as tentative, and may require modification in future.

In the catalogue the botanical names of the trees and shrubs are arranged alphabetically, and where a species or variety has a common name this also is given. The countries are named of which the trees and shrubs are native, also the year in which they were planted. In compiling this work the nomenclature and classification of the "Index Kewensis" and the "Kew Guide" have been adopted. The name of the species or variety is printed in bold faced type, followed by the author's name in small capitals. The term *Hort.* indicates a garden or gardener's variety. Synonyms of genera and species are printed in italics. The common names given are those found in the leading botanical works of modern authors.

While a large number of synonyms have been recorded, it is probable that there are still included in this catalogue some which are listed as species or varieties which are really synonyms. In recording the synonyms the names given are only those under which the species or varieties have been received at the Experimental Farm and do not include all the known synonyms in each case. There has not yet been time to carefully identify every species and variety under test, and it is quite probable that there may be some among them wrongly named. Any botanists who are making a special study of any family or genus would confer a great favour on the authors if they would kindly note any apparent inaccuracies and report them so that such errors may be rectified.

The Arboretum at the Central Experimental Farm is now much visited and an increasing interest manifested in the progress of the work by botanists as well as by the general public. It is hoped that this catalogue will be useful to visitors as a handbook and that its distribution among botanists and others specially interested in the growth of trees and shrubs in this country and abroad will convey much information as to the relative hardiness of species in this part of Canada and at the same time give correct ideas as to the character of the climate in this part of the Dominion.

CATALOGUE

OF

TREES AND SHRUBS

ACANTHOPANAX.

- 1.—**A. aculeatum**, SEEM. South Asia.
Planted, 1897. Winter killed.
A. pentaphyllum = *A. spinosum*, Miq.
- 2.—**A. ricinifolium**, SEEM. China and Japan.
Planted, 1890. Hardy.
- 3.—**A. sessiliflorum**, SEEM. China.
Syn., *Panax sessiliflorum*, Rupr. & Maxim.
Planted, 1896. Half hardy.
- 4.—**A. spinosum**, MIQ. China and Japan.
Syn., *A. pentaphyllum*.
Planted, 1897. Half hardy.
- 5.—**A. spinosum**, fol. albo-marginatis.
Syn., *A. pentaphyllum* fol. variegatis.
Planted, 1899.

ACER—MAPLE.

- 6.—**A. argutum**, MAXIM. Japan.
Planted, 1896. Winter killed.
A. californicum, Dietr. = *A. Negundo californicum*.
- 7.—**A. campestre**, L. ; SYME. Common European Maple. Europe, West Asia.
Planted, 1896. Usually half hardy. Some individuals hardy.
- 8.—**A. campestre austriacum**.
Syn., *A. campestre tauricum*.
Planted, 1896. Half hardy.
A. campestre fol. argenteis marginatis = *A. campestre variegatum*.
- 9.—**A. campestre hebecarpum**.
Planted, 1895. Hardy.
- 10.—**A. campestre pendulum** fol. maculatis.
Planted, 1897. Half hardy.
- 11.—**A. campestre pulverulentum**.
Planted, 1896. Hardy.
A. campestre tauricum = *A. campestre austriacum*.
- 12.—**A. campestre variegatum**. Variegated European Maple.
Syn., *A. campestre* fol. argenteis marginatis.
Planted, 1896. Half hardy.
- 13.—**A. capillipes**, MAXIM. Japan.
Planted, 1896. Winter killed.

ACER—MAPLE—Continued.

- 14.—**A. circinatum**, PURSH. Vine Maple.
British Columbia, California.
Planted, 1894. Half hardy. Some specimens hardy.
- 15.—**A. circumlobatum**, MAXIM. Japan.
Planted, 1897. Tender.
- 16.—**A. cissifolium**, C. KOCH. Japan.
Planted, 1897. Tender.
- 17.—**A. crataegifolium**, SIEB & ZUCC. Japan.
Thorn-leaved Maple.
Planted, 1897. Winter killed.
- 18.—**A. dasycarpum**, EHRH. White or Silver Maple. Eastern North America.
Syn., *A. eriocarpum*, Michx.
Planted, 1890. Hardy.
- 19.—**A. dasycarpum** Arbuscula.
Planted, 1897. Hardy.
- 20.—**A. dasycarpum** fol. albo-variegatis.
Planted, 1896. Hardy.
- 21.—**A. dasycarpum** fol. aureo-variegatis.
Planted, 1896. Died to near ground, but probably not tender.
- 22.—**A. dasycarpum heterophyllum**.
Planted, 1893. Hardy.
- 23.—**A. dasycarpum laciniatum** Wieri.
Wier's Cut-leaved Maple.
Planted, 1890. Hardy.
- 24.—**A. dasycarpum longifolium**.
Planted, 1897. Hardy.
- 25.—**A. dasycarpum lutescens**.
Planted, 1891. Hardy.
- 26.—**A. dasycarpum macrophyllum**.
Planted, 1896. Hardy.
- 27.—**A. dasycarpum monstrosum**.
Planted, 1896. Hardy.
- 28.—**A. dasycarpum pendulum**.
Planted, 1897. Hardy.
- 29.—**A. dasycarpum pulverulentum**.
Planted, 1897. Hardy.
- 30.—**A. dasycarpum pyramidale**. Pyramidal Silver Maple.
Planted, 1896. Hardy.
- 31.—**A. dasycarpum tripartitum**.
Planted, 1893. Hardy.

ACER—MAPLE—Continued.

- 32.—**A. dasycarpum Wagneri dissectum.**
Planted, 1891. Hardy.
- 33.—**A. diabolicum**, BLUME. Japan.
Planted, 1896. Winter killed. Re-planted,
1899.
- 34.—**A. Duretti**, HORT. (**A. Pseudo-platanus**
x A. monspessulanum.)
Planted, 1897. Hardy.
A. eriocarpum, Michx. = *A. dasycarpum*,
Ehrh.
A. Ginnala, Maxim. = *A. tataricum* Ginnala.
- 35.—**A. glabrum**, TORR. & GRAY. Smooth
Maple. Western North America.
Planted, 1891. Hardy.
- 36.—**A. grandidentatum**, NUTT. Western
North America.
Planted, 1899.
- 37.—**A. Heldreichi**, ORPH. Eastern Europe.
Planted, 1896. Hardy.
- 38.—**A. hybridum**, SPACH.
Planted, 1896. Tender.
- 39.—**A. insigne**, BOISS. & BUNSE. Northern
Persia.
Planted, 1896. Tender.
A. insigne Van Volxemi. = *A. Volxemi*,
Masters.
- 40.—**A. japonicum**, THUNB. Japanese Maple.
Japan.
Planted, 1897. Hardy.
A. laetum rubrum, Kirchner. = *A. pictum*
rubrum.
- 41.—**A. Lobelii**, TENORE. Southern Italy.
Planted, 1899.
- 42.—**A. macrophyllum**, PURSH. Large leaved
Maple. British Columbia, California.
Planted, 1894. Winter killed.
- 43.—**A. monspessulanum**, L.; LOUD. Mont-
pellier Maple. Mediterranean Region.
Syn., *A. trilobatum*, Lam.
Planted, 1896. Half hardy.
- 44.—**A. Myabei**. Japan.
Planted, 1896. Hardy.
- 45.—**Acer Negundo**, L. Box Elder. Canada
and United States.
Syn., *N. aceroides*, Moench.
Planted, 1890. Hardy.
- 46.—**A. Negundo auratum**.
Planted, 1899.
- 47.—**A. Negundo californicum**.
Syn., *A. californicum*, Dietr.
Planted, 1898.
- 48.—**A. Negundo californicum fol. aureo-**
variegatis.
Planted, 1898.
- 49.—**A. Negundo crispum**.
Planted, 1897. Half hardy.
- 50.—**A. Negundo fol. argenteis variegatis**.
Planted, 1897. Winter killed.

ACER—MAPLE—Continued.

- 51.—**A. Negundo fol. aureo-marginatis**.
Planted, 1897. Half hardy.
- 52.—**A. Negundo heterophyllum**.
Planted, 1897. Half hardy.
- 53.—**A. Negundo nanum**.
Planted, 1898.
- 54.—**A. Negundo versicolor**.
Planted, 1898.
- 55.—**A. Negundo violaceum**.
Planted, 1897. Hardy.
- 56.—**A. nikoense**, MIQ. Japan.
Planted, 1896. Winter killed.
A. obtusatum, Kit. = *A. opulifolium obtusa-*
tum.
- 57.—**A. opulifolium**, VILL. Europe.
Planted, 1899.
- 58.—**A. opulifolium obtusatum**.
Syn., *A. obtusatum*, Kit.
Planted, 1897. Half hardy.
- 59.—**A. palmatum purpurascens**.
Planted, 1897. Hardy.
- 60.—**A. pennsylvanicum**, L. Striped Maple.
Eastern Canada and United States.
Syn., *A. striatum*, Du Roi.
Planted, 1890. Hardy.
- 61.—**A. pictum rubrum**.
Syn., *A. laetum rubrum*.
Planted, 1899.
- 62.—**A. platanoides**, L. Norway Maple.
Europe.
Planted, 1890. Hardy.
- 63.—**A. platanoides Buntzeli**.
Planted, 1896. Hardy.
- 64.—**A. platanoides columnare**.
Planted, 1896. Hardy.
- 65.—**A. platanoides crispum**.
Planted, 1896. Hardy.
- 66.—**A. platanoides cucullatum**.
Planted, 1893. Hardy.
A. platanoides digitatum fol. aureo-mar-
ginatis = *A. platanoides fol. aureo-mar-*
ginatis.
- 67.—**A. platanoides dilaceratum**.
Planted, 1898.
- 68.—**A. platanoides dissectum**.
Planted, 1898.
- 69.—**A. platanoides fol. albo-variegatis**.
Planted, 1896. Died to ground, but prob-
ably not tender.
- 70.—**A. platanoides fol. aureo-marginatis**.
Syn., *A. platanoides digitatum fol. aureo-*
marginatis.
Planted, 1896. Hardy.
- 71.—**A. platanoides globosum**. (Globose Nor-
way Maple.
Planted, 1896. Hardy.

ACER—MAPLE—Continued.

- 72.—*A. platanoides heterophyllum* fol. *marginatis*.
Planted, 1897. Hardy.
- 73.—*A. platanoides integrilobum*.
Planted, 1897. Hardy.
- 74.—*A. platanoides laciniatum*. Cut-leaved Norway Maple.
Planted, 1891. Hardy.
- 75.—*A. platanoides Lorbergi*.
Planted, 1897. Died to ground; but will probably prove hardy.
- 76.—*A. platanoides nanum*. Dwarf Norway Maple.
Planted, 1891. Hardy.
- 77.—*A. platanoides Oekonomierath Stoll*.
Planted, 1896. Hardy.
- 78.—*A. platanoides pyramidale nanum*.
Pyramidal Dwarf Norway Maple.
Planted, 1891. Hardy.
- 79.—*A. platanoides Reichsgraf von Puckler*.
Planted, 1896. Hardy.
- 80.—*A. platanoides Reitenbachi*.
Planted, 1896. Hardy.
- 81.—*A. platanoides Schwedleri*. Schwedler's Maple.
Planted, 1890. Hardy.
- 82.—*A. platanoides undulatum*.
Planted, 1896. Hardy.
- 83.—*A. Pseudo-platanus*, L. Sycamore Maple.
Central Europe, Western Asia.
Planted, 1890. Half hardy.
- 84.—*A. Pseudo-platanus Albertsi*.
Planted, 1897. Hardy.
- 85.—*A. Pseudo-platanus Annae*.
Planted, 1899.
- 86.—*A. Pseudo-platanus bicolor*.
Planted, 1897. Half hardy.
- 87.—*A. Pseudo-platanus Douglasi*.
Planted, 1897. Half hardy.
- 88.—*A. Pseudo-platanus erythrocarpum*.
Planted, 1898.
- 89.—*A. Pseudo-platanus euchlorum*.
Planted, 1897. Winter killed. Re-planted, 1899.
- 90.—*A. Pseudo-platanus fol. albo-variegatis*.
Planted, 1890. Tender until 1896, then, winter killed.
- 91.—*A. Pseudo-platanus fol. cupreis*.
Planted, 1897. Half hardy.
- 92.—*A. Pseudo-platanus fol. purpureis aureo-variegatis*.
Planted, 1899.
- 93.—*A. Pseudo-platanus fol. purpureis Prinz Handjery*.
Planted, 1897. Hardy.
- 94.—*A. Pseudo-platanus insigne*.
Planted, 1897. Half hardy.

ACER—MAPLE—Continued.

- 95.—*A. Pseudo-platanus Leopoldi*.
Planted, 1897. Half hardy.
- 96.—*A. Pseudo-platanus luteo-virescens*.
Planted, 1897. Winter killed. Re-planted, 1899.
- 97.—*A. Pseudo-platanus metallicum*.
Planted, 1899.
- 98.—*A. Pseudo-platanus nervosum*.
Planted, 1899.
- 99.—*A. Pseudo-platanus Nizetti purpureascens*.
Planted, 1896. Tender.
- 100.—*A. Pseudo-platanus purpureum*. Purple Sycamore Maple.
Planted, 1890. Tender.
- 101.—*A. Pseudo-platanus rafinesquianum*.
Planted, 1897. Half hardy.
- 102.—*A. Pseudo-platanus serotinum*.
Planted, 1897. Hardy.
- 103.—*A. Pseudo-platanus Simon Louis Frères*.
Planted, 1896. Half hardy.
- 104.—*A. Pseudo-platanus Spaethi*.
Planted, 1897. Hardy.
- 105.—*A. Pseudo-platanus tricolor*.
Planted, 1897. Hardy.
- 106.—*A. Pseudo-platanus trilobatum*.
Planted, 1897. Hardy.
- 107.—*A. Pseudo-platanus versicolor*.
Planted, 1897. Half hardy.
- 108.—*A. Pseudo-platanus Worléei*.
Planted, 1896. Winter killed. Tender in nursery rows.
- 109.—*A. reticulatum*, CHAMP. Hong Kong.
Planted, 1893. Tender until 1896, then winter killed.
- 110.—*A. rubrum*, L. Red or Swamp Maple.
Canada, United States.
Planted, 1890. Hardy.
- 111.—*A. rubrum coccineum*.
Planted, 1896. Hardy.
- 112.—*A. rubrum Drummondii*.
Planted, 1896. Hardy.
- 113.—*A. rubrum glaucum*.
Planted, 1896. Hardy.
- 114.—*A. rubrum globosum*.
Planted, 1893. Hardy.
- 115.—*A. rubrum hybridum*.
Planted, 1896. Hardy.
- 116.—*A. rubrum palmatum*.
Planted, 1896. Died to near ground, but probably not tender.
- 117.—*A. rubrum Schlesingeri*.
Planted, 1896. Hardy.
- 118.—*A. rubrum tomentosum*.
Planted, 1896. Died one half, but probably hardy.

ACER—MAPLE—Concluded.

- 119.—*A. rufo-nerve*, SIEB & ZUCC. Japan.
Planted, 1896. Winterkilled. Re-planted,
1899.
- 120.—*A. rufo-nerve albo-limbatum*.
Planted, 1899.
- 121.—*A. saccharinum*, WANG. Sugar or Rock
Maple. Canada and United States.
Planted, 1896. Hardy.
- 122.—*A. saccharinum nigrum*. Black Maple.
Planted, 1897. Hardy.
- 123.—*A. sieboldianum*, MIQ. Japan.
Planted, 1896. Winter killed.
- 124.—*A. spicatum*, L. Mountain Maple.
Canada, United States.
Planted, 1890. Hardy.
A. striatum, Du Roi. = *A. pennsylvani-
cum*, L.
- 125.—*A. tataricum*, L. Tartarian Maple.
Eastern Europe.
Planted, 1890. Hardy.
- 126.—*A. tataricum Ginnala*. Amurland.
Ginnalian Maple.
Syn., *A. Ginnala*, Maxim.
Planted, 1890. Hardy.
A. Trautvetteri, Medw. = *A. Volxemi*,
Masters.
- 127.—*A. trifidum*, HOOK. & ARN. China.
Planted, 1897. Tender.
A. trilobatum, Lam. = *A. monspessulanum*,
L.
- 128.—*A. truncatum*, HORT.
Planted, 1897. Half hardy.
- 129.—*A. Volxemi*, MASTERS. Caucasus.
Syn., *A. insigne Van Volxemi*; *A. Traut-
vetteri*, Medw.
Planted, 1897. Half hardy.

ACTINIDIA.

- A. arguta*, Franch & Sav. = *A. callosa*,
Lindl.
- 130.—*A. callosa*, LINDL. Amur, China and
Japan.
Syn., *A. arguta*, Franch and Sav.
Planted, 1896. Half hardy.
- 131.—*A. Kolomikta*, RUPR. Amur, China and
Japan.
Planted, 1897. Hardy.
- 132.—*A. polygama*, SIEB & ZUCC. Japan.
Planted, 1897. Half hardy.

ÆGLE.

- 133.—*Æ. sepiaria*, DC. Hardy or Otaheite
Orange. China and Japan.
Syn., *Limonia trifoliata*, Hort.
Planted, 1897. Winter killed.

ÆSCULUS—HORSE CHESTNUT—BUCKEYE.

- 134.—*Æ. arguta*, BUCKL. Shrubby or Western
Buckeye. United States.
Planted, 1896. Half hardy.
- 135.—*Æ. carnea*, WILLD. Red-flowered Horse
Chestnut. Garden Hybrid.
Syn., *Æ. rubicunda*, DC.; *Æ. Hippocas-
tanum rubicunda*.
Planted, 1893. Hardy.
- 136.—*Æ. carnea Brioti*.
Planted, 1898.
- 137.—*Æ. carnea flore purpureo*. Purple-
flowered Horse Chestnut.
Planted, 1897. Hardy.
- 138.—*Æ. carnea fol. marginatis*.
Planted, 1897. Winter killed. Re-
planted, 1899.
- 139.—*Æ. carnea pendula*. Drooping Horse
Chestnut.
Planted, 1897. Hardy.
- 140.—*Æ. chinensis*, BUNGE. Chinese Horse
Chestnut. North China.
Planted, 1898.
Æ. discolor, Pursh. = *Æ. flava*, Ait.
- 141.—*Æ. flava*, ART. Yellow, Sweet, or Big
Buckeye. United States.
Syn., *Æ. discolor*, Pursh.; *Æ. lutea*,
Wangh.; *Æ. neglecta*, Don.; *Paria
flava*, Moench.
Planted, 1894. Hardy.
- 142.—*Æ. glabra*, WILLD. Ohio Buckeye.
United States.
Syn., *Paria glabra*, Spach.
Planted, 1893. Hardy.
- 143.—*Æ. Hippocastanum*, L. Horse Chest-
nut. Mountains of South-eastern
Europe.
Planted, 1890. Hardy.
- 144.—*Æ. Hippocastanum digitata*.
Planted, 1898.
- 145.—*Æ. Hippocastanum digitata major*.
Planted, 1897. Hardy.
- 146.—*Æ. Hippocastanum flore pleno*. Dou-
ble flowering Horse Chestnut.
Planted, 1893. Hardy.
- 147.—*Æ. Hippocastanum flore pleno rubro*.
Planted, 1897. Hardy.
- 148.—*Æ. Hippocastanum fol. aureis varie-
gatis*. Variegated Horse Chestnut.
Planted, 1893. Hardy.
- 149.—*Æ. Hippocastanum laciniata*. Cut-
leaved Horse Chestnut.
Planted, 1895. Hardy.
- 150.—*Æ. Hippocastanum Memmingeri*.
Planted, 1893. Hardy.
- 151.—*Æ. Hippocastanum pumila flore pleno*.
Dwarf Double-flowering Horse Chest-
nut.
Planted, 1896. Hardy.

ÆSCULUS—HORSE CHESTNUT—BUCKEYE.—*Con.*

- 152.—**Æ. Hippocastanum pyramidalis.** Pyramidal Horse Chestnut.
Planted, 1896. Hardy.
Æ. Hippocastanum rubicunda = *Æ. carnea*, Willd.
- 153.—**Æ. Hippocastanum umbraculifera.**
Planted, 1896. Hardy.
Æ. humilis, Lodd. = *Æ. Pavia*, L.
- 154.—**Æ. Lyonii**, HORT. (*Æ. flava* x *Æ. Pavia*.)
Planted, 1895. Hardy.
Æ. neglecta, Lindl. = *Æ. flava*, Ait.
- 155.—**Æ. parviflora**, WALT. South-eastern United States.
Syn., *Pavia macrostachya*, Loisel.
Planted, 1895. Tender.
- 156.—**Æ. Pavia**, L. Red Buckeye. United States.
Syn., *Æ. humilis*, Lodd.; *Pavia rubra*, Lam.
Planted, 1898.
Æ. Pavia arguta = *Æ. arguta*, Buckl.
- 157.—**Æ. Pavia atrosanguinea.**
Planted, 1896. Hardy.
- 158.—**Æ. Pavia mutabilis.**
Planted, 1898.
- 159.—**Æ. Pavia nana.** Dwarf Buckeye.
Planted, 1896. Hardy.
- 160.—**Æ. Pavia** x *Æ. flava*?
Planted, 1898.
Æ. rubicunda, DC. = *Æ. carnea*, Willd.
- 161.—**Æ. Schirnhoferi**, NEWEHL.
Planted, 1896. Hardy.
- 162.—**Æ. turbinata**, BLUME. Japan.
Planted, 1897. Hardy.
Æ. variegata = *Æ. Hippocastanum fol. aureo-variegatis*.
- 163.—**Æ. versicolor**, DIPP. (*Æ. Flava* x *Æ. Pavia*.)
Planted, 1896. Hardy.

AILANTUS—TREE OF HEAVEN.

- 164.—**A. glandulosa**, DESF. Tree of Heaven.
China.
Planted, 1890. Tender until 1896, then winter killed.

AKEBIA.

- 165.—**A. lobata**, DECNE. Japan.
Planted, 1897. Tender.
- 166.—**A. quinata**, DC. China and Japan.
Planted, 1896. Half hardy.
ALDER. See *ALNUS*.
ALLSPICE, WILD. See *LINDERA*.
ALLSPICE, CAROLINA. See *CALYCANTHUS*.
ALMOND. See *PRUNUS*.

ALNUS—ALDER.

- 167.—**A. acuminata**, H. B. & K.
Syn., *A. rugosa*, Spreng.
Planted, 1898.
A. cordata, Desf. = *A. cordifolia*, Tenore.
- 168.—**A. cordifolia**, TENORE. Heart-leaved Alder. South Europe.
Syn., *A. cordata*, Desf.
Planted, 1896. Winter killed. Tender in nursery rows.
- 169.—**A. glutinosa**, MEDIC. Common Alder. Europe, N. Africa, W. & N. Asia.
Planted, 1890. Hardy.
- 170.—**A. glutinosa aurea.** Golden-leaved Alder.
Planted, 1899.
- 171.—**A. glutinosa fol. variegatis.** Variegated Alder.
Planted, 1896. Hardy.
- 172.—**A. glutinosa imperialis.** Imperial Cut-leaved Alder.
Planted, 1896. Hardy.
- 173.—**A. glutinosa laciniata.** Cut-leaved Alder.
Planted, 1899.
- 174.—**A. glutinosa oxyacanthifolia.** Hawthorn-leaved Alder.
Planted, 1898.
- 175.—**A. glutinosa pyramidalis.** Pyramidal Alder.
Syn., *A. glutinosa pyramidalis birkiana*.
Planted, 1896. Hardy.
A. glutinosa pyramidalis birkiana = *A. glutinosa pyramidalis*.
- 176.—**A. glutinosa quercifolia.** Oak-leaved Alder.
Planted, 1897. Hardy.
- 177.—**A. glutinosa rubrinervia.**
Planted, 1898.
- 178.—**A. glutinosa sorbifolia.**
Planted, 1897. Hardy.
- 179.—**A. incana**, MOENCH. Speckled or Hoary Alder. Northern Temperate Regions.
Planted, 1896. Hardy.
- 180.—**A. incana aurea.** Golden Hoary Alder.
Planted, 1897. Hardy.
- 181.—**A. incana glauca.**
Planted, 1896. Hardy.
- 182.—**A. incana hirsuta.**
Planted, 1896. Hardy.
- 183.—**A. incana laciniata.** Cut-leaved Hoary Alder.
Planted, 1896. Hardy.
- 184.—**A. incana monstrosa.**
Planted, 1896. Hardy.
- 185.—**A. incana pendula nova.** Pendulous Hoary Alder.
Planted, 1896. Hardy.
- 186.—**A. incana sorbifolia.**
Planted, 1896. Hardy.

ALNUS—ALDER—Concluded.

- 187.—**A. incana tomentosa.**
Planted, 1896. Hardy.
- 188.—**A. japonica**, SIEB & ZUCC. Japanese Alder. Japan.
Planted, 1896. Hardy.
- 189.—**A. japonica multissima.**
Planted, 1896. Winter killed.
- 190.—**A. latifolia**, HORT.
Planted, 1898.
- 191.—**A. macrophylla**, HORT. Large-leaved Alder.
Planted, 1898.
- 192.—**A. maritima**, MUEHLENB. Seaside Alder. North America.
Syn., *A. oblongata*, Mill.
Planted, 1898.
A. oblongata, Dippel = *A. maritima*, Muehlenb.
A. occidentalis, Dipp. = *A. tenuifolia*, Nutt.
- 193.—**A. oregona**, NUTT. Red Alder. Western North America.
Planted, 1896. Hardy.
- 194.—**A. orientalis**, DECNE. Eastern Alder. Orient.
Planted, 1896. Hardy.
- 195.—**A. orientalis pubescens.**
Planted, 1897. Hardy.
A. orata, Hort. = *A. viridis parvifolia*, Regel.
- 196.—**A. rhombifolia**, NUTT. Mountain Alder. California.
Planted, 1896. Winter killed. Re-planted, 1899.
A. rugosa, Spreng. = *A. acuminata*, H. B. & K.
- 197.—**A. serrulata**, WILLD. Smooth Alder. North America.
Planted, 1893. Half hardy.
- 198.—**A. tenuifolia**, NUTT. Narrowleaf Alder.
Syn., *A. occidentalis*, Dippel.
Planted, 1896. Hardy.
- 199.—**A. virescens**, KOEHNE. Colorado.
Planted, 1899.
- 200.—**A. viridis**, DC. Green Alder. Northern Regions.
Planted, 1896. Hardy.
- 201.—**A. viridis parvifolia.**
Planted, 1898.

AMELANCHIER—JUNE-BERRY.

- 202.—**A. alnifolia**, NUTT. Alder-leaved June-berry. North-western America.
Planted, 1898. Hardy.
A. asiatica, Hort. = *A. canadensis*, Torr. & Gray.
- 203.—**A. canadensis**, TORR. & GRAY. Shad-Bush. Service-Berry. Canada.
Syn., *A. asiatica*, Hort.
Planted, 1896. Hardy.

AMELANCHIER—JUNE-BERRY—Concluded.

- 204.—**A. canadensis nana.** Dwarf June-Berry.
Planted, 1889. Hardy.
- 205.—**A. canadensis oblongifolia.**
Planted, 1889. Hardy.
- 206.—**A. canadensis obovalis.**
Planted, 1896. Hardy.
- 207.—**A. canadensis spicata.**
Syn., *A. ovalis*, Borkh.
Planted, 1896. Hardy.
- 208.—**A. oligocarpa**, ROEM. Northern United States.
Planted, 1896. Hardy.
A. ovalis, Borkh. = *A. canadensis spicata*.
- 209.—**A. vulgaris**, MOENCH. Common European Service-Berry. Europe.
Planted, 1890. Hardy.

AMORPHA—FALSE INDIGO.

- 210.—**A. canescens**, NUTT. Lead Plant. Northern United States and Canada.
Planted, 1896. Partly winter killed, but probably hardy.
A. fragrans nana = *A. fruticosa nana*.
- 211.—**A. fruticosa**, L. False Indigo. United States and Western Canada.
Planted, 1897. Half hardy.
- 212.—**A. fruticosa crispa.**
Planted, 1896. Half hardy.
- 213.—**A. fruticosa croceo-lanata.**
Planted, 1896. Half hardy.
- 214.—**A. fruticosa dealbata.**
Planted, 1896. Half hardy.
- 215.—**A. fruticosa elata.**
Planted, 1896. Half hardy.
- 216.—**A. fruticosa fragrans.**
Planted, 1896. Tender.
- 217.—**A. fruticosa Lewisii.**
Planted, 1889. Half hardy.
- 218.—**A. fruticosa macrophylla.**
Planted, 1896. Half hardy.
- 219.—**A. fruticosa pendula.**
Planted, 1896. Half hardy.
- 220.—**A. fruticosa pubescens.**
Planted, 1889. Hardy.
- 221.—**A. fruticosa purpurascens.**
Planted, 1896. Half hardy.

AMPELOPSIS. See VITIS.

AMPHIRAPHIS. See MICROGLOSSA.

ANDROMEDA.

- A. arborea*, L. = *Oxydendron arboreum*, DC.
- A. calyculata*, L. = *Cassandra calyculata*, D. Don.
- A. cernua rubens* = *Eukianthus cernuus rubens*.

ANDROMEDA—*Concluded.*

- 222.—**A. Hendersonii.**
Planted, 1899.
A. japonica, Thunb. = *Pieris japonica*, D. Don.
A. japonica foliis albo-marginatis = *Pieris japonica foliis albo-marginatis*.
A. ligustrina, Muhl. = *Lyonia paniculata*, Nutt.
A. ovalifolia, Wall. = *Pieris ovalifolia*, D. Don.
- 223.—**A. polifolia**, L. Northern and Arctic regions.
Planted, 1896. Hardy.
- 224.—**A. polifolia glauca.**
Planted, 1897. Hardy.
- 225.—**A. Rollisonii.**
Planted, 1898.
A. speciosa, Michx. = *Zenobia speciosa*, D. Don.
ANONA. See ASIMINA.

APHANANTHE.

- 226.—**A. aspera**, PLANCH. Japan and China.
Planted, 1898.
APPLE. See PYRUS.
APRICOT. See PRUNUS.

ARALIA.

- A. canescens* = *A. chinensis canescens*.
- 227.—**A. chinensis**, var. *elata*, DIPPEL. China, etc
Syn., *Dimorphanthus mandchuricus*, Maxim.
Planted, 1896. Tender.
- 228.—**A. chinensis canescens.**
Syn., *A. canescens*.
Planted, 1897. Hardy.
- 229.—**A. hybrida**, HORT.
Planted, 1896. Winter killed.
A. japonica, Thunb. = *Fatsia japonica*, Dcne. & Planch.
A. pinnatifida, Jungh & De Vriese = *Aralidium pinnatifidum*, Miq.
A. Sieboldii, Sieb. = *Fatsia japonica*, Dcne. & Planch.
- 230.—**A. spinosa**, L. Angelica-tree. Hercules Club. Eastern United States.
Planted, 1893. Winter killed. Replanted, 1899.

ARALIDIUM.

- 231.—**A. pinnatifidum**, MIQ. Malacca.
Syn., *A. pinnatifida*, Jungh & De Vriese.
Planted, 1896. Hardy. Received here under that name. Probably not true.

ARBUTUS.

- 232.—**A. Unedo**, L. Southern Europe (Ireland).
Planted, 1895. Winter killed. Replanted, 1899.

ARCTOSTAPHYLOS.

- 233.—**A. Uva-ursi**, SPRENG. Northern hemisphere.
Planted, 1894. Hardy.

ARISTOLOCHIA—BIRTHWORT.

- 234.—**A. Sipho**, L'HÉRIT. Dutchman's Pipe. United States.
Planted, 1894. Half hardy.
- 235.—**A. tomentosa**, SIMS. Southern United States.
Planted, 1896. Half hardy.
- ARROW-WOOD. See VIBURNUM.

RTEMISIA—SOUTHERN WOOD.

- 236.—**A. Abrotanum**, L. Old Man, Southern wood. South Europe.
Planted, 1896. Half hardy.
- 237.—**A. Abrotanum tobolskianum**. Russia.
Planted, 1896. Half hardy.
- 238.—**A. procera**, WILLD. South-east Europe, Asia Minor.
Planted, 1891. Hardy.
- 239.—**A. tridentata**, NUTT. Western United States.
Planted, 1899.
ASH. See FRAXINUS.
ASH, MOUNTAIN. See PYRUS.
ASH, PRICKLY. See XANTHOXYLUM.

ASIMINA—NORTH AMERICAN PAPAW.

- 240.—**A. triloba**, DUNAL. Common Papaw. South-western Ontario. United States.
Syn., *Anona triloba*, L.
Planted, 1897. Winter killed.
AZALEA. See RHODODENDRON.

AZARA.

241. **A. microphylla**, HOOK. Chili.
Planted 1899.

BACCHARIS—GROUNDSSEL-TREE.

- 242.—**B. halimifolia**, L. Groundsel-tree. North America.
Planted, 1895. Winter killed.
- 243.—**B. patagonica**, HOOK. & ARN. Magellanic region.
Planted, 1897. Winter killed. Replanted, 1899.
- 244.—**B. salicina**, TORR. & GRAY. Colorado to Texas.
Planted, 1897. Winter killed.
BARBERRY. See BERBERIS.
BASSWOOD. See TILIA.
BAY, LOBELOLLY. See GORDONIA.
BAYBERRY. See MYRICA.
BEECH. See FAGUS.

BERBERIS—BARBERRY.

- 245.—**B. alscuthiensis**, HORT.
Planted, 1896. Hardy.
- 246.—**B. alba spicata**.
Planted, 1899.
- 247.—**B. amurensis**, RUPR. Amur Barberry.
Mandschuria.
Planted, 1896. Hardy.
B. angulizans, Hort. = *B. vulgaris angulizans*.
- 248.—**B. Aquifolium**, PURSH. Oregon Grape.
Western North America.
Syn., *Mahonia Aquifolium*, Paxt.
Planted, 1889. Half hardy.
- 249.—**B. Aquifolium murrayana**.
Planted, 1899.
B. Aquifolium Fremonti = *B. Fremonti*, Torr.
- 250.—**B. aristata**, DC. Himalaya.
Syn., *B. macrophylla*, Hort.
Planted, 1898.
- 251.—**B. aristata floribunda**.
Planted, 1897. Hardy.
- 252.—**B. asiatica**, ROXB. Asiatic Barberry.
Himalaya.
Planted, 1896. Hardy.
B. brachybotrys, Edgew. = *B. vulgaris brachybotrys*.
- 253.—**B. buxifolia**, LAM. Box-leaved Barberry.
Chili.
Syn., *B. dulcis*, Sweet.
Planted, 1896. Tender.
- 254.—**B. buxifolia nana**. Dwarf Box-leaved Barberry.
Planted, 1899.
- 255.—**B. canadensis**, PURSH. American Barberry.
Eastern United States.
Syn., *B. caroliniana*, Sweet.
Planted, 1896. Hardy.
B. caroliniana, Sweet = *B. canadensis*, Pursh.
- 256.—**B. cerasina**, SCHRAD.
Planted, 1899.
B. chinensis, Hort. = *B. sinensis*, Desf.
B. crataegina, Hort. = *B. vulgaris crataegina*.
- 257.—**B. cretica**, L. Cretan Barberry. Mediterranean Region.
Planted, 1896. Hardy.
- 258.—**B. Darwinii**, HOOK. Darwin's Barberry.
Chili.
Planted, 1894. Winter killed.
B. dulcis, Sweet = *B. buxifolia*, Lam.
B. elegans, Hort. = *B. Lycium*, Royle.
B. emarginata, Willd. = *B. vulgaris emarginata*.
- 259.—**B. Fischeri**, HORT.
Planted, 1894. Hardy.
- 260.—**B. floribunda nepalensis**, HORT.
Planted, 1896. Hardy.

BERBERIS—BARBERRY—Continued.

- 261.—**B. Fremonti**, TORR. Western North America.
Syn., *B. Aquifolium Fremonti*.
Planted, 1898.
B. globularis, Hort. = *B. vulgaris globularis*.
- 262.—**B. heteropoda**, SCHRENK. Central Asia.
Planted, 1898.
- 263.—**B. heterophylla**, JUSS. Chili.
Planted, 1896. Half hardy.
- 264.—**B. hybrida reflexa**.
Planted, 1899.
- 265.—**B. ilicifolia**, FORST. Holly-leaved Barberry. Straits of Magellan.
Planted, 1896. Tender.
- 266.—**B. integerrima**, BUNGE. Central Asia.
Planted, 1896. Hardy.
B. Knightii, Hort. = *B. wallichiana latifolia*.
B. laxiflora, Hort. = *B. vulgaris laxiflora*.
B. lucida, Schrad. = *B. vulgaris lucida*.
- 267.—**B. Lycium**, ROYLE. Himalaya.
Syn., *B. elegans*, Hort.
Planted, 1896. Hardy.
B. macrophylla, Hort. = *B. aristata*, DC.
- 268.—**B. microphylla serrata**.
Planted, 1899.
- 269.—**B. Neuberti**. (*B. Aquifolium* x *B. vulgaris*).
Garden origin.
Planted, 1898.
B. petiolaris, Hort. = *B. vulgaris petiolaris*.
B. sanguinolenta, Hort. = *B. vulgaris sanguinolenta*.
- 270.—**B. sibirica**, PALL. Siberian Barberry.
Siberia.
Planted, 1896. Hardy.
- 271.—**B. Sieboldii**, MIQ. Siebold's Barberry.
China and Japan.
Planted, 1896. Hardy.
- 272.—**B. Sieboldii variet**.
Planted, 1896. Half hardy.
- 273.—**B. sinensis**, DESF. Chinese Barberry.
China and Japan.
Syn., *B. chinensis*, Hort.
Planted, 1889. Hardy.
- 274.—**B. stenophylla**, MOORE. Garden origin.
Planted, 1896. Half hardy.
- 275.—**B. Thunbergi**, DC. Thunberg's Barberry.
Japan.
Planted, 1896. Hardy.
- 276.—**B. Tom Thumb**, BUDD.
Planted, 1889. Hardy.
- 277.—**B. virescens**, HOOK. Himalaya.
Planted, 1896. Half hardy.
- 278.—**B. vulgaris**, L. Common Barberry. Europe. Temperate Asia.
Planted, 1889. Hardy.

BERBERIS—BARBERRY—*Concluded.*

- 279.—**B. vulgaris angulizans.**
Syn., *B. angulizans*, Hort.
 Planted, 1896. Hardy.
- 280.—**B. vulgaris brachybotrys.**
Syn., *B. brachybotrys*, Edgew.
 Planted, 1899.
- 281.—**B. vulgaris crataegina.**
Syn., *B. crataegina*, Hort.
 Planted, 1896. Hardy.
- 282.—**B. vulgaris emarginata.**
Syn., *B. emarginata*, Willd.
 Planted, 1896. Hardy.
- 283.—**B. vulgaris fol. aureo-marginatis.**
 Planted, 1898.
- 284.—**B. vulgaris fructu albo.**
 Planted, 1899.
- 285.—**B. vulgaris globularis.**
Syn., *B. globularis*, Hort.
 Planted, 1898.
- 286.—**B. vulgaris iberica.**
 Planted, 1897. Hardy.
- 287.—**B. vulgaris japonica.**
 Planted, 1899.
- 288.—**B. vulgaris laxiflora.**
Syn., *B. laxiflora*, Hort.
 Planted, 1896. Hardy.
- 289.—**B. vulgaris lucida.**
Syn., *B. lucida*, Schrad.
 Planted, 1896. Hardy.
- 290.—**B. vulgaris petiolaris.**
Syn., *B. petiolaris*, Hort.
 Planted, 1896. Hardy.
- 291.—**B. vulgaris foliis purpureis.** Purple-leaved Barberry.
Syn., *B. vulgaris purpurea*.
 Planted, 1889. Hardy.
- 292.—**B. vulgaris rotundifolia.** Round-leaved Barberry.
 Planted, 1896. Hardy.
- 293.—**B. vulgaris sanguinolenta.**
Syn., *B. sanguinolenta*, Hort.
 Planted, 1896. Hardy.
- 294.—**B. vulgaris violacea.**
 Planted, 1896. Hardy.
- 295.—**B. vulgaris virgata.**
 Planted, 1899.
- 296.—**B. wallichiana latifolia.**
Syn., *B. Knightii*, Hort.
 Planted, 1899.

BERCHEMIA.

- 297.—**B. racemosa**, SIEB. & ZUCC. Japan.
 Planted, 1895. Tender. Winter killed,
 1898. Re-planted, 1899.

BETULA—BIRCH.

- 298.—**B. alba**, L. European White Birch.
 Northern Hemisphere.
 Planted, 1890. Hardy.
- 299.—**B. alba aurea.**
 Planted, 1897. Hardy.
B. alba costata = *B. ulmifolia*, Sieb. & Zucc.
- 300.—**B. alba fastigiata.** Pyramidal Birch.
Syn., *B. pyramidalis*.
 Planted, 1891. Hardy.
B. alba japonica = *B. alba Tauschii*.
- 301.—**B. alba laciniata pendula.** Cut-leaved Birch.
 Planted, 1890. Hardy.
- 302.—**B. alba pendula.**
Syn., *B. tristis*, Hort.
 Planted, 1896. Hardy.
- 303.—**B. alba pendula elegans.**
 Planted, 1898.
- 304.—**B. alba pendula Youngi.** Young's Weeping Birch.
 Planted, 1893. Hardy.
B. alba populifolia = *B. populifolia*, Marsh.
- 305.—**B. alba pubescens.**
Syn., *B. pubescens*, Ehrh.
 Planted, 1893. Hardy.
- 306.—**B. alba purpurea.** Purpled-leaved Birch.
 Planted, 1890. Hardy.
- 307.—**B. alba Tauschii.**
Syn., *B. alba japonica*.
 Planted, 1896. Hardy.
- 308.—**B. alba x B. humilis**, ZABEL. North Asia.
 Planted, 1897. Hardy.
B. Bhojpatra glandulifera = *B. utilis glandulifera*.
- 309.—**B. corylifolia**, REGEL & MAXIM. Japan.
 Planted, 1891. Hardy.
B. costata, Trautv. = *B. ulmifolia*, Sieb. & Zucc.
- 310.—**B. davurica**, PALL. North Asia, North America.
 Planted, 1894. Hardy.
- 311.—**B. dentata viscosa pyramidalis.**
 Planted, 1899.
- 312.—**B. Ermani**, CHAM. Japan.
 Planted, 1899.
B. excelsa, Ait. = *B. papyrifera*, Marsh.
- 313.—**B. fruticosa**, PALL. North Europe, North Asia.
 Planted, 1896. Hardy.
- 314.—**B. fruticosa Gmelini.**
Syn., *B. Gmelini*, Regel.
 Planted, 1891. Hardy.
- 315.—**B. glandulosa**, MICHX. Dwarf Birch.
 Canada, United States.
 Planted, 1899.
B. Gmelini, Regel = *B. fruticosa Gmelini*.

BETULA—BIRCH—Concluded.

- 316.—**B. grossa**, SIEB. & ZUCC. Japan.
Planted, 1896. Hardy.
- 317.—**B. humilis**, SCHRANK. Northern hemisphere.
Planted, 1893. Hardy.
- 318.—**B. humilis kamtschatica**.
Planted, 1899.
- 319.—**Betula lenta**, L. Sweet Birch. North America.
Planted, 1890. Hardy.
- 320.—**B. lutea**, MICHX. Yellow Birch. North America.
Planted, 1898. Hardy.
- 321.—**B. lutea persicifolia**.
Planted, 1897. Hardy.
- 322.—**B. Maximowiczii**, REGEN. Japan.
Planted, 1896. Hardy.
- 323.—**B. Motwoodyei**.
Planted, 1896. Hardy.
- 324.—**B. nana**, L. Dwarf Birch. Northern Hemisphere.
Planted, 1899.
- 325.—**B. nigra**, L. River Birch. United States.
Syn., *B. rubra*, Michx.
Planted, 1893. Hardy.
- 326.—**B. occidentalis**, HOOK. Canon Birch. Western North America.
Planted, 1891. Hardy.
B. papyracea, Dryand. = *B. papyrifera*, Marsh.
- 327.—**B. papyrifera**, MARSH. Paper Birch. Canada, United States.
Syn., *B. papyracea*, Dryand.; *B. excelsa*, Ait.
Planted, 1896. Hardy.
- 328.—**B. papyrifera occidentalis**.
Planted, 1898.
- 329.—**B. papyrifera** x **B. pumila**, ZABEL.
Planted, 1897. Hardy.
- 330.—**B. populifolia**, MARSH. White Birch. North America.
Syn., *B. alba populifolia*.
Planted, 1896. Hardy.
B. pubescens, Ehrh. = *B. alba pubescens*.
- 331.—**B. pumila**, L. Low Birch. North America.
Planted, 1899.
B. pyramidalis = *B. alba fastigiata*.
B. rubra, Michx. = *B. nigra*, L.
B. tristis, Hort. = *B. alba pendula*, Hort.
- 332.—**B. ulmifolia**, SIEB. & ZUCC. Japan.
Syn., *B. costata*, Trautv.
Planted, 1897. Hardy.
- 333.—**B. utilis**, D. DON. Hima'aya.
Planted, 1899.
- 334.—**Betula utilis glandulifera**.
Syn., *B. Bhojpattra glandulifera*.
Planted, 1897. Hardy.

BIGELOVIA.

- 335.—**B. Douglasii tortifolia**.
Planted, 1899.
BIGNONIA. See *TECOMA*.
BILBERRY. See *VACCINIUM*.
BIOTA. See *THUYA*.
BIRCH. See *BETULA*.
BIRTHWORT. See *ARISTOLOCHIA*.
BITTER-SWEET, SHRUBBY. See *CELASTRUS*.
BLACKBERRY. See *RUBUS*.
BLADDER-NUT. See *STAPHYLEA*.
BLUEBERRY. See *VACCINIUM*.
BOX. See *BUXUS*.
BROOM. See *CYTISUS*.

BROUSSONETIA—PAPER MULBERRY.

- 336.—**B. Kazinoki**, SIEB. Japan.
Planted, 1898.
- 337.—**B. papyrifera**, VENT. Paper Mulberry China, Japan.
Planted, 1899.
- 338.—**B. papyrifera cucullata**.
Planted, 1899.
- 339.—**B. papyrifera dissecta**.
Planted, 1899.
- 340.—**B. papyrifera macrophylla**.
Planted, 1899.
BUCKTHORN. See *RHAMNUS*.

BUDDLEIA.

- B. curviflora*, André = *B. japonica*, Hemsl.
B. insignis, Carr. = *B. japonica insignis*.
- 341.—**B. intermedia**, CARR. (*B. curviflora* & *B. lindleyana*). Garden Origin.
Planted, 1898.
- 342.—**B. japonica**, HEMSL. Japan.
Syn., *B. curviflora*, André.
Planted, 1896. Tender.
- 343.—**B. variabilis**, HEMSL. Japan.
Planted, 1899.

BUUPLEURUM.

- 344.—**B. fruticosum**, L. Mediterranean Region.
Planted, 1895. Winter killed.
BUTTERNUT. See *JUGLANS*.
BUTTON-BUSH. See *CEPHALANTHUS*.

BUXUS—BOX.

- B. arborescens*, Mill. = *B. sempervirens arborescens*.
- 345.—**B. balearica**, LAM. Balearic Islands.
Planted, 1895. Winter killed.
- 346.—**B. microphylla glauca**.
Planted, 1895. Winter killed.

BUXUS—Box—*Concluded.*

- 347.—**B. sempervirens arborescens.**
Syn., B. arborescens, Mill.
 Planted, 1895. Half hardy.
- 348.—**B. sempervirens aurea.**
 Planted, 1895. Winter killed.
- 349.—**B. sempervirens aurea variegata.**
 Planted, 1895. Winter killed.
- 350.—**B. sempervirens argentea.**
 Planted, 1895. Winter killed.
- 351.—**B. sempervirens macrophylla aurea.**
 Planted, 1895. Winter killed.
- 352.—**B. sempervirens macrophylla rotundifolia.**
 Planted, 1895. Winter killed.
- 353.—**B. sempervirens microphylla glauca.**
 Planted, 1895. Winter killed.
- 354.—**B. sempervirens pyramidalis variegata.**
 Planted, 1895. Winter killed.
- 355.—**B. sempervirens suffruticosa.**
 Planted, 1895. Winter killed.
B. suffruticosa, Mill. = B. sempervirens suffruticosa.

CÆSALPINA.

- 356.—**C. japonica, SIEB. & ZUCC.** Japan.
 Planted, 1899.

CALLICARPA.

- 357.—**C. americana, L.** Virginia to Texas.
 Planted, 1896. Winter killed.
C. gracilis, Sieb. & Zucc. = C. purpurea, Juss.
- 358.—**C. purpurea, JUSS.** China and Japan.
Syn., C. gracilis, Sieb. & Zucc.
 Planted, 1897. Winter killed.

CALLUNA—HEATHER.

- 359.—**C. vulgaris, SALISB.** Heather. Europe.
 Planted, 1895. Half hardy.
- 360.—**C. vulgaris alba.** White heather.
 Planted, 1896. Winter killed. Re-planted, 1898.
- 361.—**C. vulgaris cuprea.**
 Planted, 1898.
- 362.—**C. vulgaris Foxii.**
 Planted, 1898.
- 363.—**C. vulgaris pumila.**
 Planted, 1895. Winter killed.
- 364.—**C. vulgaris stricta.**
 Planted, 1898.

CALOPHACA.

- 365.—**C. wolgarica, FISCH.** South Russia.
 Planted, 1896. Hardy.

CALYCANTHUS—CAROLINA ALLSPICE.

- C. fertilis, Walt. = C. glaucus, Willd.*
- 366.—**C. floridus, L.** South United States.
 Planted, 1893. Half hardy.
367. **C. glaucus, WILLD.** South United States.
Syn., C. fertilis, Walt.
 Planted, 1895. Winter killed. Re-planted, 1899.
C. grandiflorus = Chimonanthus fragrans grandiflorus.
C. praecox, L. = Chimonanthus fragrans, Lindl.

CARAGANA—SIBERIAN PEA TREE.

- 368.—**C. arborescens, LAM.** Siberian Pea Tree. Siberia.
Syn., A. Redowskii, Fisch.
 Planted, 1889. Hardy.
- 369.—**C. arborescens fol. variegatis.** Variegated Siberian Pea Tree.
 Planted, 1896. Hardy.
- 370.—**C. arborescens lutescens.**
 Planted, 1896. Hardy.
- 371.—**C. arborescens nana.** Dwarf Siberian Pea Tree.
 Planted, 1896. Hardy.
- 372.—**C. arborescens pendula.** Pendulous Siberian Pea.
 Planted, 1896. Hardy.
- 373.—**C. Chamlagu, LAM.** China and Japan.
 Planted, 1891. Hardy.
- 374.—**C. cucullata, HORT.**
 Planted, 1896. Hardy.
- 375.—**C. cuneifolia, DIPP.**
 Planted, 1896. Hardy.
- 376.—**C. frutescens, DC.** Woody Caragana. Russia to Japan.
 Planted, 1895. Hardy.
- 377.—**C. frutescens acutifolia.**
 Planted, 1896. Hardy.
C. frutescens grandiflora = C. grandiflora, DC.
- 378.—**C. frutescens latifolia.**
 Planted, 1896. Hardy.
- 379.—**C. frutescens macrophylla.**
 Planted, 1896. Hardy.
- 380.—**C. frutescens mollis glabra.**
 Planted, 1894. Hardy.
- 381.—**C. grandiflora, DC.** Large flowered Caragana. Region of Caspian Sea.
Syn., C. frutescens grandiflora.
 Planted, 1894. Hardy.
- 382.—**C. jubata, POIR.** Siberia.
 Planted, 1897. Hardy.
- 383.—**C. microphylla, LAM.** Altai and Dahuria, Eastward.
 Planted, 1896. Hardy.

CARAGANA—SIBERIAN PEA TREE—*Concluded.*

- 384.—**C. pygmaea**, DC. Dwarf Caragana.
Caucasus to Himalaya.
Planted, 1895. Hardy.
- 385.—**C. pygmaea aurantiaca**.
Planted, 1897. Hardy.
C. Redowskii, Fisch. = *C. arborescens*, Lam.
- 386.—**C. spinosa**, DC. Thorny Caragana.
Siberia.
Planted, 1896. Hardy.

CARPINUS—HORNBEAM.

C. americana, Michx. = *C. caroliniana*, Walt.

- 387.—**C. amurensis**.
Planted, 1896. Hardy.
- 388.—**C. Betulus**, L. European Hornbeam.
Europe, W. Asia.
Planted, 1896. Half hardy.
- 389.—**C. Betulus Carpinizza**.
Planted, 1896. Half hardy.
- 390.—**C. Betulus columnaris**.
Planted, 1897. Hardy.
- 391.—**C. Betulus fastigiata**.
Planted, 1896. Winter killed. Re-planted, 1899.
- 392.—**C. Betulus fol. marmoratis nova**.
Planted, 1898.
- 393.—**C. Betulus pendula**.
Planted, 1896. Hardy.
- 394.—**C. Betulus fol. punctatis**.
Planted, 1897. Hardy.
- 395.—**C. canashida**.
Planted, 1897. Hardy.
- 396.—**C. caroliniana**, WALT. Blue Beech.
North America.
Syn., *C. americana*, Michx.
Planted, 1898. Hardy.
- 397.—**C. cordata**, BLUME. Japan.
Planted, 1898.
- 398.—**C. laxiflora**, BLUME. Japan.
Planted, 1897. Hardy.
- 399.—**C. orientalis**, MILL. South Europe.
Orient.
Planted, 1897. Hardy.

CARYA—HICORY.

- 400.—**C. alba**, NUTT. Shagbark Hicory. North America.
Planted, 1893. Hardy.
- 401.—**C. amara**, NUTT. Bitternut Hicory. North America.
Planted, 1897. Hardy.
C. microcarpa Nutt. = *C. porcina microcarpa*.
- 402.—**C. olivaeformis**, NUTT. Pecan. Southern United States.
Planted, 1897. Tender.

CARYA—HICORY—*Concluded.*

- 403.—**C. porcina**, NUTT. Pignut Hicory.
Planted, 1897. Half hardy.
- 404.—**C. porcina microcarpa**. Small-leaved Pignut Hicory.
Syn., *C. microcarpa*, Nutt.
Planted, 1897. Tender.
- 405.—**C. sulcata**, NUTT. Shellbark Hicory.
United States.
Planted, 1897. Half hardy.
- 406.—**C. tomentosa**, NUTT. Mockernut Hicory.
North America.
Planted, 1897. Half hardy.

CARYOPTERIS.

- 407.—**C. Mastacanthus**, SCHAUER. China and Japan.
Planted, 1897. Winter killed.

CASSANDRA.

- 408.—**C. calyculata**, D. DOX. Northern hemisphere.
Syn., *Andromeda calyculata*, L.
Planted, 1897. Hardy.

CASSINIA.

- 409.—**C. fulvida**, HOOK. New Zealand.
Syn., *Diplopappus chrysophyllus*, Hort.
Planted, 1895. Winter killed.

CASTANEA—CHESTNUT.

- 410.—**C. dentata**, BORKH. American Chestnut. North America.
Syns., *C. sativa americana*; *C. vesca americana*; *C. vulgaris americana*.
Planted, 1890. A few specimens hardy.
- 411.—**C. pumila**, MILL. Southern Pennsylvania to Northern Florida. Chinquapin.
Planted, 1898.
- 412.—**C. sativa**, MILL. European Chestnut. South Europe, North Africa, Orient.
Syns., *C. vesca*, Gaertn.; *C. vulgaris*, Lam.
Planted, 1897. Half hardy.
C. sativa americana = *C. dentata*, Borkh.
- 413.—**C. sativa fol. albo marginatis**.
Planted, 1899.
- 414.—**C. sativa fol. aureo-maculatis**.
Planted, 1899.
- 415.—**C. sativa glabra**.
Planted, 1899.
- 416.—**C. sativa heterophylla**.
Planted, 1899.
- 417.—**C. sativa heterophylla dissecta**.
Planted, 1899.
- 418.—**C. sativa heterophylla filipendula**.
Planted, 1899.
C. vesca, Gaertn. = *C. sativa*, Mill.
C. vesca americana = *C. dentata*, Borkh.
C. vulgaris, Lam. = *C. sativa*, Mill.
C. vulgaris americana = *C. dentata*, Borkh.

CATALPA.

- 419.—**C. bignonioides**, WALT. Common Catalpa. South United States.
Syn., *C. syriacaefolia*, Sims.
Planted, 1896. Half hardy.
- 420.—**C. bignonioides aurea**. Golden-leaved Catalpa.
Planted, 1896. Half hardy.
- 421.—**C. bignonioides nana**. Dwarf catalpa.
Planted, 1896. Half hardy.
- 422.—**C. Bungei**, C. A. MEY. China.
Planted, 1893. Hardy.
- 423.—**C. cassinoides** ? HORT.
Planted, 1896. Hardy.
- 424.—**C. cordifolia**, JAUME. Western Kentucky and Tennessee.
Syn., *C. speciosa*, Warder.
Planted, 1890. Half hardy. A few specimens on other parts of the grounds are hardy.
- 425.—**C. hybrida** (Tea's). Tea's Hybrid Catalpa.
Planted, 1890. Hardy.
- 426.—**C. hybrida japonica**.
Planted, 1899.
- 427.—**C. Kaempferi**, SIEB. & ZUCC. Japanese Catalpa. Japan.
Planted, 1890. Hardy.
C. speciosa, Warder. = *C. cordifolia*, Jaume.
C. syriacaefolia, Sims. = *C. bignonioides*, Walt.

CEANOTHUS—NEW JERSEY TEA.

- 428.—**C. americanus**, L. New Jersey Tea. Canada. Eastern United States.
Planted, 1896. Tender. Hardy in vicinity of Ottawa.
- 429.—**C. americanus Gloire de Plantières**.
Planted, 1899.
- 430.—**C. americanus Marie Simon**.
Syn., *C. intermedius Marie Simon*.
Planted, 1895. Tender.
- 431.—**C. Arnoldi**, HORT.
Planted, 1899.
- 432.—**C. Arnoldi Lucie Simon**.
Planted, 1899.
- 433.—**C. azureus**, DESF. Mexico.
Planted, 1896. Tender.
- 434.—**C. azureus Gloire de Versailles**.
Planted, 1895. Winter killed.
- 435.—**C. azureus grandiflorus**.
Planted, 1895. Winter killed.
- 436.—**C. Fendleri**, A. GRAY. Western North America.
Planted, 1897. Half hardy.
- 437.—**C. — ? gloire de Vaise**.
Planted, 1899.
- 438.—**C. — ? gloire d'Orléans**.
Planted, 1899.

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CEANOTHUS—NEW JERSEY TEA—Concluded.

- 439.—**C. roseus**, HORT.
Planted, 1897. Half hardy.

CEDRELA.

- 440.—**C. sinensis**, A. JUSS. China and Japan.
Planted, 1897. Tender.

CELASTRUS—SHRUBBY BITTER-SWEET.

- 441.—**C. articulatus**, THUNB. Japanese Bitter-sweet. China and Japan.
Syns., *C. punctatus*, Thunb.; *C. orbiculatus*, Lam.
Planted, 1891. Hardy.
C. orbiculatus, Lam. = *C. articulatus*, Thunb.
- 442.—**C. Orixia**, SIEB. & ZUCC. Japan.
Syn., *Orixia japonica*, Thunb.
Planted, 1897. Hardy.
C. punctatus, Thunb. = *C. articulatus*, Thunb.
- 443.—**C. scandens**, L. Climbing Bitter-sweet. North America.
Planted, 1890. Hardy.

CELTIS—HACKBERRY.

- C. audibertiana*, Spach. = *C. occidentalis*, L.
- 444.—**C. australis**, L. Mediterranean region.
Planted, 1890. Half hardy.
C. cordifolia, L'Hérit. = *C. occidentalis*, L.
- 445.—**C. occidentalis**, L. Hackberry. North America.
Syns., *C. audibertiana*, Spach; *C. cordifolia*, L'Hérit.
Planted, 1890. Hardy.
- 446.—**C. occidentalis pumila**. Dwarf Hackberry.
Planted, 1896. Hardy.
- 447.—**C. occidentalis reticulata**.
Planted, 1899.

CEPHALANTHUS—BUTTON BUSH.

- 448.—**C. occidentalis**, L. Button Bush. North America.
Planted, 1889. Hardy.

CERCIDIPHYLLUM—KATSURA TREE.

- 449.—**C. japonicum**, SIEB. & ZUCC. Katsura Tree. Japan.
Planted, 1894. Hardy.

CERCIS—REDBUD.

- 450.—**C. canadensis**, L. American Redbud. North America.
Planted, 1896. Tender.
- 451.—**C. chinensis**, BUNGE. Chinese Redbud. China and Japan.
Syn., *C. sinensis*.
Planted, 1895. Winter killed.
- 452.—**C. Siliquastrum**, L. European Redbud. Mediterranean region.
Planted, 1897. Tender.
C. sinensis = *C. chinensis*, Bunge.

CERCOCARPUS.

- 453.—**C. parvifolius**, NUTT. California.
Planted, 1897. Hardy.
CHERRY. See PRUNUS.
CHESTNUT. See CASTANEA.

CHIMONANTHUS.

- 454.—**C. fragrans**, LINDL. China and Japan.
Syn., *Calycanthus praecox*, L.
Planted, 1895. Winter killed.
455.—**C. fragrans grandiflorus**.
Syn., *Calycanthus grandiflorus*.
Planted, 1895. Winter killed.

CHIOGENES—CREEPING SNOWBERRY.

- C. hispida*, Torr. & Gray = *C. serpyllifolia*, Salisb.
456.—**C. serpyllifolia**, SALISB. Creeping Snowberry. North America.
Syn., *C. hispida*, Torr. & Gray.
Planted, 1895. Hardy.

CHIONANTHUS—FRINGE-TREE.

- 457.—**C. virginica**, L. South Pennsylvania to Florida and Texas.
Planted, 1898. Half hardy. A specimen in another part of the grounds, hardy.
CHRIST-THORN. See PALIURUS.
CINQUE-FOIL. See POTENTILLA.
CISSUS. See VITIS.

CISTUS—ROCK-ROSE.

- 458.—**C. albidus**, L. White Rock-rose. Southwest Europe.
Planted, 1895. Winter killed.
459.—**C. corbariensis**, POURR. South Europe.
Planted, 1895. Winter killed.

CLADRASTIS—YELLOW-WOOD.

- 460.—**C. amurensis**, BUTH. Amur Yellow-wood. Amurland.
Syn., *Maackia amurensis*, Rupr.
Planted, 1899.
461.—**C. amurensis Bergeri**.
Planted, 1899.
462.—**C. tinctoria**, RAFIN. Yellow-wood. United States.
Syn., *Virgilia lutea*, Michx.
Planted, 1894. Hardy.

CLEMATIS—VIRGIN'S BOWER.

(Woody species and varieties).

NOTE.—Although the degree of hardiness of the species and varieties of clematis is not always stated, those which are not marked *winter-killed* have, as a rule, made good growth, and flowered; the woody stems, however, being more or less injured each year.

CLEMATIS—VIRGIN'S BOWER—*Continued.*

- 463.—**C. alpina**, MILL. Alpine clematis. North Europe, &c.
Planted, 1899.
464.—**C. apiifolia**, DC. Parsley-leaved clematis. China and Japan.
Planted, 1895. Hardy.
465.—**C. aromatica cœrulea**.
Syn., *C. odorata cœrulea*.
Planted, 1895. Hardy.
C. balearica, Pers. = *C. cirrhosa*, L.
466.—**C. cirrhosa**, L. South Europe.
Syn., *C. balearica*, Pers.
Planted, 1899.
467.—**C. coccinea**, ENGELM. Texas.
Planted, 1899.
C. cœrulea plena = *C. patens plena*.
C. coloradensis, Buckl. = *C. Pücheri*, Torr. & Gray.
468.—**C. crispa**, L. Leather-flower. Eastern United States.
Syns., *C. Vioria*, Andr.; *C. cylindrica*, Bot.
Planted, 1895. Hardy.
C. cylindrica, Bot. = *C. crispa*, L.
C. davidiana, Verlot. = *C. heracleæfolia davidiana*
469.—**C. Douglasii**, HOOK. Western North America.
Planted, 1899.
470.—**C. Flammula**, L. Sweet-scented Virgin's Bower. Europe.
Planted, 1897. Usually hardy.
471.—**C. Flammula robusta**.
Planted, 1899.
472.—**C. Flammula rubro marginata**.
Planted, 1899.
473.—**C. florida**, THUNB. Japan.
Planted, 1897. Winter killed.
474.—**C. florida flore pleno**.
Planted, 1897. Degree of hardiness not ascertained.
C. graveolens, Lindl. = *C. orientalis*, L.
475.—**C. Hendersonii**, CHANDL. (*C. Viticella* x *C. integrifolia*).
Planted, 1895. Degree of hardiness not determined.
476.—**C. heracleæfolia**, DC. China.
Syn., *C. tubulosa*, Turcz.
Planted, 1895. Degree of hardiness not determined.
477.—**C. heracleæfolia davidiana**.
Syn., *C. davidiana*, Verlot.
Planted, 1895. Degree of hardiness not determined.
478.—**C. integrifolia**, L. Europe.
Planted, 1897. Degree of hardiness not determined.

CLEMATIS—VIRGIN'S BOWER—*Continued.*

- 479.—**C. integrifolia alba.**
Planted, 1897. Degree of hardiness not yet determined.
- 480.—**C. integrifolia pallida.**
Planted, 1899.
- 481.—**C. intermedia**, BONAMY (**C. integrifolia** x **C. Viticella**).
Planted, 1898.
- 482.—**C. intermedia roses**, HORT (**C. crispa** x **C. integrifolia** ?)
Planted, 1899.
- 483.—**C. ligusticifolia**, NUTT. Western Canada and United States.
Planted, 1895. Hardy.
- 484.—**C. montana**, WALL. Mountain clematis. Himalaya.
Planted, 1899.
- 485.—**C. montana grandiflora.**
Planted, 1899.
C. odorata cœrulea = *C. aromatica cœrulea*.
- 486.—**C. orientalis**, L. Oriental clematis, Orient.
Syn., *C. graveolens*, Lindl.
Planted, 1896. Hardy.
- 487.—**C. paniculata**, THUNB. Japan.
Planted, 1897. Degree of hardiness not yet determined.
- 488.—**C. patens**, MORR & DCNE. China and Japan.
Planted, 1897. Degree of hardiness not determined.
- 489.—**C. patens cœrulea.**
Syn., *C. odorata cœrulea*.
Planted, 1896. Degree of hardiness not determined.
- 490.—**C. Pitcheri**, TORR & GRAY. Colorado.
Syn., *C. coloradensis*, Buckl.
Planted, 1896. Hardy.
- 491.—**C. patens plena.**
Planted, 1896. Degree of hardiness not determined.
C. tubulosa, Turcz. = *C. heracleifolia*, DC.
- 492.—**C. verticillaris**, DC. United States. Canada.
Planted, 1895. Hardy.
- 493.—**C. virginiana**, L. Common Virgin's Bower. Canada, United States.
Planted, 1891. Hardy.
- 494.—**C. Vitalba**, L. Common Traveller's Joy. Europe.
Planted, 1892. Hardy.
C. Viorna, Andr. = *C. crispa*, L.
- 495.—**C. Viticella**, L. Europe.
Planted, 1899.
- 496.—**C. Viticella crispa.**
Planted, 1897. Degree of hardiness not yet determined.

CLEMATIS—VIRGIN'S BOWER—*Concluded.*

- 497.—**C. Viticella kermesina.**
Planted, 1898.
- 498.—**C. Viticella modesta.**
Planted, 1897. Degree of hardiness not yet determined.
- 499.—**C. Viticella purpurea.**
Planted, 1897. Degree of hardiness not yet determined.

CLERODENDRON.

- 500.—**C. foetidum**, BUNGE. China.
Planted, 1897. Winter killed.
- 501.—**C. infortunatum**, GAERTN. Malaya.
Syn., *C. viscosum*, Vent.
Planted, 1897. Tender.
C. viscosum, Vent. = *C. infortunatum*, Gaertn.

CLETHRA—SWEET PEPPERBUSH.

- 502.—**C. acuminata**, MICHX. Virginia to Georgia.
Planted, 1895. Hardy.
- 503.—**C. alnifolia**, L. Maine to Florida.
Planted, 1894. Half hardy.
- 504.—**C. alnifolia paniculata.**
Syn., *C. paniculata*, Ait.
Planted, 1895. Hardy.
- 505.—**C. alnifolia tomentosa.**
Syn., *C. pubescens*, Willd.
Planted, 1897. Hardy.
C. barbinervis, Sieb. & Zucc. = *C. canescens*, Reinw.
- 506.—**C. canescens**, REINW. China, Japan.
Syn., *C. barbinervis*, Sieb. & Zucc.
Planted, 1895. Winter killed.
C. paniculata, Ait. = *C. alnifolia paniculata*.
C. pubescens, Willd. = *C. alnifolia tomentosa*.

CHLORANTHUS.

- 507.—**C. brachystachys**, BLUME. China, Japan.
Planted, 1899.

COCCULUS.

- 508.—**C. Thunbergii**, DC. Japan.
Planted, 1899.

COLUTEA.

- 509.—**C. arborescens**, L. Bladder Senna. Mediterranean Region.
Planted, 1896. Tender.
- 510.—**C. arborescens crispa.**
Planted, 1897. Half hardy.
- 511.—**C. cruenta**, AIT. Orient.
Syns., *C. orientalis*, Lam. ; *C. purpurea*, Hort.
Planted, 1895. Hardy.
C. frutescens, L. = *Sutherlandia frutescens*, R. Br.

COLUTEA—Concluded.

- 512.—**C. longialata**, KOEHNE. Europe.
Planted, 1899.
- 513.—**C. media**, W. (**C. arborescens** x **C. orientalis**.)
Planted, 1897. Tender.
- 514.—**C. melanocalyx**, BOISS. Asia Minor.
Planted, 1897. Winter killed. Re-planted, 1899.
C. orientalis, Lam. = *C. cruenta*, Ait.
C. purpurea, Hort. = *C. cruenta*, Ait.
COMPTONIA. See MYRICA.
CORCHORUS. See KERRIA.

CORIARIA.

- 515.—**C. myrtifolia**, L. Mediterranean Region.
Planted, 1898.
- 516.—**C. japonica**, A. GRAY. Japan.
Planted, 1897. Tender.
- CORNIDIA. See HYDRANGEA.

CORNUS—Dogwood.

- 517.—**C. alba**, L. North Asia.
Planted, 1897. Hardy.
- 518.—**C. alba fol. argenteis marginatis**.
Planted, 1897. Hardy.
- 519.—**C. alba fol. argenteis variegatis elegans**.
Planted, 1896. Hardy.
- 520.—**C. alba foliis tricoloribus**.
Planted, 1896. Hardy.
- 521.—**C. alba sibirica**. Siberian Dogwood.
Syn., *C. sibirica*, Lodd.
Planted, 1889. Hardy.
- 522.—**C. alba sibirica variegata**. Variegated
Siberian Dogwood.
Planted, 1894. Hardy.
- 523.—**C. alba sibirica Spæthii**.
Planted, 1894. Hardy.
- 524.—**C. alternifolia**, L. FIL. Alternate-leaved
Cornel. North America.
Planted, 1893. Hardy.
- 525.—**C. Amomum**, MILL. North America.
Syns., *C. citrina*, Hort. ; *C. sericea*, L.
Planted, 1896. Hardy.
- 526.—**C. asperifolia**, MICHX. Rough-leaved
Dogwood. North America.
Planted, 1896. Hardy.
- 527.—**C. Baileyi**, COULTER & EVANS. North
America.
Planted, 1899.
C. brachypoda, Fisch. & Mey. = *C. macrophylla*, Wall.
- 528.—**C. candidissima**, MARSH. North America.
Syns., *C. paniculata*, L'Herit ; *C. stricta*,
Lam.
Planted, 1896. Hardy.

CORNUS—Dogwood—Continued.

- 529.—**C. circinata**, L'HERIT. Round-leaved
Dogwood. North America.
Planted, 1896. Hardy.
C. citrina, Hort. = *C. Amomum*, Mill.
- 530.—**C. elegans tricolor aurea**.
Planted, 1899.
- 531.—**C. florida**, L. Flowering Dogwood. East
ern North America.
Planted, 1893. Tender.
- 532.—**C. florida flore rubro**. Red Flowering
Dogwood. Tender.
- 533.—**C. florida pendula**. Pendulous Flowering
Dogwood.
Planted, 1893. Winter killed.
- 534.—**C. glabrata**, DIPP.
Planted, 1896. Hardy.
- 535.—**C. Gouchaulti** (touffes).
Planted, 1899.
- 536.—**C. Kousa**, BUEBG. Japan.
Planted, 1897. Winter killed.
- 537.—**C. macrophylla**, WALL. Large-leaved
Dogwood. North India to Japan.
Planted, 1897. Winter killed. Re-planted,
1899.
- 538.—**C. macrophylla variegata**. Variegated
Large-leaved Dogwood.
Planted, 1897. Winter killed. Re-planted,
1899.
- 539.—**C. Mas**, L. Cornelian Cherry. Europe.
Syn., *C. mascula*, L.
Planted, 1896. Half hardy.
- 540.—**C. Mas aurea elegantissima**.
Planted, 1896. Winter killed. Re-planted,
1899.
- 541.—**C. Mas fol. argenteis marginatis**.
Planted, 1896. Winter killed, 1898. Re-
planted, 1899.
- 542.—**C. Mas fol. aureis**.
Planted, 1896. Hardy.
C. mascula, L. = *C. Mas*, L.
- 543.—**C. Nuttallii**, AUDUB. Western North
America.
Planted, 1896. Winter killed.
- 544.—**C. officinalis**, SIEB & ZUCC. Japan.
Planted, 1898.
C. paniculata, L'Herit = *C. candidissima*,
Marsh.
- 545.—**C. pubescens**, NUTT. Western North
America.
Planted, 1896. Hardy.
- 546.—**C. pumila**, HORT.
Planted, 1897. Half hardy.
- 547.—**C. sanguinea**, L. Red-branched Dog-
wood. Europe, North and West Asia.
Planted, 1889. Hardy.
- 548.—**C. sanguinea elegantissima**.
Planted, 1894. Hardy.

CORNUS—DOGWOOD—*Concluded.*

- 549.—**C. sanguinea fol. variegatis.**
Planted, 1896. Half hardy.
- 550.—**C. sanguinea viridissima.**
Planted, 1896. Half hardy.
C. sericea, L. = *C. Amomum*, Mill.
C. sibirica, Lodd. = *C. alba sibirica*.
- 551.—**C. stolonifera**, MICHX. Red-osier Dog-wood. North America.
Planted, 1889. Hardy.
- 552.—**C. stolonifera Gouchaulti.**
Planted, 1895. Hardy.
- 553.—**C. stolonifera** (yellow bark).
Planted, 1896. Hardy.
C. stricta, Lam. = *C. candidissima*, Marsh.

CORONILLA.

- 554.—**C. Emerus**, L. Europe.
Planted, 1897. Winter killed.

CORYLOPSIS.

- 555.—**C. pauciflora**, SIEB. & ZUCC. Japan.
Planted, 1897. Tender.
- 556.—**C. spicata**, SIEB & ZUCC. Japan.
Planted, 1895. Winter killed.

CORYLUS—HAZEL-NUT, FILBERT.

- 557.—**C. americana**, WALT. Wild Hazel-nut. Eastern North America.
Syn., *C. calyculata*, Dipp.
Planted, 1897. Hardy.
- 558.—**C. americana humilis.** Dwarf Hazel-nut.
Planted, 1896. Hardy.
- 559.—**C. Avellana**, L. Common European Hazel-nut. Europe, West Asia.
Planted, 1891. Half hardy.
- 560.—**C. Avellana aurea.**
Planted, 1896. Tender.
- 561.—**C. Avellana fol. aureis marginatis.**
Planted, 1896. Tender.
- 562.—**C. Avellana grandis.**
Planted, 1890. Winter killed.
- 563.—**C. Avellana heterophylla.** Cut-leaved Filbert.
Syn., *C. Avellana laciniata*.
Planted, 1890. Half hardy. Some specimens hardy.
C. Avellana laciniata = *C. Avellana heterophylla*.
- 564.—**C. Avellana macrocarpa Aveline Anglaise.**
Planted, 1895. Winter killed.
- 565.—**C. Avellana macrocarpa Coque Tendre.**
Planted, 1895. Winter killed.
- 566.—**C. Avellana macrocarpa Fertile d'Angers.**
Planted, 1895. Winter killed.

CORYLUS—HAZEL-NUT, FILBERT—*Concluded.*

- 567.—**C. Avellana macrocarpa Merveille de B. Willer.**
Planted, 1895. Winter killed.
- 568.—**C. Avellana macrocarpa Peticule Rouge.**
Planted, 1895. Winter killed.
- 569.—**C. Avellana pendula.**
Planted, 1897. Hardy.
- 570.—**C. Avellana prolifera.**
Planted, 1890. Winter killed.
- 571.—**C. Avellana purpurea.** Purple-leaved Filbert.
Planted, 1896. Tender.
- 572.—**C. Avellana quercifolia.** Oak-leaved Filbert.
Planted, 1896. Half hardy..
- 573.—**C. Avellana spicata.**
Planted, 1896. Half hardy.
C. calyculata, Dipp. = *C. americana*, Walt.
- 574.—**C. Columna**, L. South-east Europe to Himalaya.
Planted, 1896. Tender.
- 575.—**C. maxima**, MILL. South Europe.
Planted, 1899.
- 576.—**C. maxima atropurpurea.**
Planted, 1899.
- 577.—**C. rostrata**, AIT. Beaked Hazel-nut North America.
Planted, 1897. Hardy.
- 578.—**C. rostrata californica.**
Planted, 1891. Hardy.
- 579.—**C. rostrata sieboldiana.**
Planted, 1897. Hardy.

COTONEASTER.

- 580.—**C. acuminata**, LINDL. Himalaya.
Planted, 1898.
- 581.—**C. acutifolia**, TURCZ. Mongolia.
Planted, 1890. Hardy.
- 582.—**C. acutifolia pekinensis.**
Planted, 1897. Hardy.
- 583.—**C. affinis**, LINDL. Himalaya.
Planted, 1896. Tender.
- 584.—**C. bacillaris**, WALL. Himalaya.
Planted, 1896. Hardy.
- 585.—**C. bacillaris floribunda.**
Planted, 1899.
- 586.—**C. buxifolia**, WALL. Himalaya.
Syns., *C. Hookeri*, Hort.; *C. Wheeleri*, Hort.
Planted, 1895. Winter killed. Planted, 1897. Half hardy.
C. Fontanesii, Spach. = *C. Nummularia*, Fisch & Mey.
- 587.—**C. frigida**, WALL. Himalaya.
Planted, 1896. Hardy.
C. Hookeri, Hort. = *C. buxifolia*, Wall.

COTONEASTER—*Concluded.*

- 588.—**C. horizontalis**, DCNE. Himalaya.
Planted, 1895. Half hardy.
- 589.—**C. integerrima**, MEDIC. Common Cotoneaster. Mountains of Europe.
Syns., *C. nigra*, Wahlb.; *C. vulgaris*, Lindl.
Planted, 1896. Half hardy.
- 590.—**C. lanata**, REGEN. Himalaya.
Planted, 1895. Winter killed.
- 591.—**C. laxiflora**, JACQ. Siberia.
Planted, 1898.
- 592.—**C. microphylla**, WALL. Small-leaved Cotoneaster. Himalaya.
Planted, 1895. Winter killed.
C. microphylla thymifolia = *C. thymifolia*, Baker.
- 593.—**C. multiflora**, BUNGE. China.
Planted, 1898.
C. nepalensis, Hort. = *C. Simonsii*, Baker.
C. nigra, Wahlb. = *C. integerrima*, Medic.
- 594.—**C. Nummularia**, FISCH & MEY. Europe, Asia.
Syn., *C. Fontanesii*, Spach.
Planted, 1896. Hardy.
C. Pyracantha, Spach. = *Crataegus Pyracantha*, Pers.
- 595.—**C. rotundifolia**, WALL. Round-leaved Cotoneaster. Himalaya.
Planted, 1898.
- 596.—**C. Simonsii**, BAKER. Himalaya.
Syn., *C. nepalensis*, Hort.
Planted, 1895. Winter killed. Planted, 1897. Tender.
- 597.—**C. thymifolia**, BAKER. Himalaya.
Syn., *C. microphylla thymifolia*.
Planted, 1896. Winter killed. Re-planted, 1898.
- 598.—**C. tomentosa**, LINDL. Alps.
Planted, 1896. Hardy.
C. vulgaris, Lindl. = *C. integerrima*, Medic.
C. Wheeleri, Hort. = *C. buzifolia*, Wall.

CRATAEGUS—HAWTHORN.

- C. arborescens*, Hort. = *C. coccinea indentata*.
C. Aria chrysophylla = *Pyrus Aria chrysophylla*.
- 599.—**C. Azarolus**, L. Orient.
Planted, 1896. Hardy.
- 600.—**C. brevispina**.
Planted, 1896. Hardy.
- 601.—**C. Carrièrei**, VAUVEL. Garden origin.
Planted, 1898.
C. celsiana, Bosc. = *C. nigra*, Waldst. & Kit.
- 602.—**C. chlorosarca**, MAXIM. Mandschuria.
Syn., *C. sanguinea* Schroederi.
Planted, 1896. Hardy.

CRATAEGUS—HAWTHORN—*Continued.*

- 603.—**C. coccinea**, L. Scarlet Haw. Canada, Eastern United States.
Syn., *C. rotundifolia*, Moench.
Planted, 1896. Hardy.
- 604.—**C. coccinea indentata**.
Syn., *C. arborescens*, Hort.
Planted, 1899.
- 605.—**C. coccinea macracantha**.
Syn., *C. macracantha*, Lodd.
Planted, 1896. Hardy.
- 606.—**C. coccinea maxima**.
Planted, 1899.
- 607.—**C. cordata**, AIT. Washington Haw. North America.
Syn., *C. populifolia*, Walt.
Planted, 1896. Hardy.
- 608.—**C. coronata**.
Planted, 1896. Hardy.
- 609.—**C. Crus-galli**, L. Cockspur Thorn. North America.
Planted, 1896. Hardy.
- 610.—**C. Crus-galli fontanesiana**.
Syn., *C. fontanesiana*, Steud.
Planted, 1897. Hardy.
- 611.—**C. Crus-galli linearis**.
Planted, 1896. Hardy.
- 612.—**C. Crus-galli ovalifolia**.
Planted, 1897. Hardy.
- 613.—**C. Crus-galli splendens**.
Syn., *C. prunifolia*, Pers.
Planted, 1896. Hardy.
- 614.—**C. cuneata**, SIEB. & Zucc. Japan.
Planted, 1897. Hardy.
- 615.—**C. dahurica**, HORT.
Planted, 1896. Hardy.
C. dentata, Thuill. = *Pyrus rotundifolia*, Bechst.
- 616.—**C. dippeliana**, LANGE.
Planted, 1898.
- 617.—**C. Douglasii**, LINDL. Western Haw. Western North America.
Planted, 1896. Hardy.
- 618.—**C. Douglasii rivularis**.
Syn., *C. rivularis*, Nutt.
Planted, 1896. Hardy.
- 619.—**C. dsungarica**, HORT.
Planted, 1897. Hardy.
C. edulis, Lodd. = *Pyrus Aria flabelliformis*.
C. elliptica, Ait. = *C. flava*, Ait.
- 620.—**C. flava**, AIT. Yellow Haw. South-eastern United States.
Syn., *C. elliptica*, Ait.
Planted, 1898.
C. fontanesiana, Steud. = *C. Crus-galli fontanesiana*.

CRATAEGUS—HAWTHORN—*Continued.*

- 621.—**C. floribunda.**
Planted, 1896. Half hardy.
C. grandiflora, K. Koch = *Pyrus lobata*, Nichols.
- 622.—**C. Heldreichii**, BOISS. Greece.
Planted, 1896. Hardy.
- 623.—**C. hiemalis**, LANGE. Origin unknown.
Planted, 1896. Hardy.
- 624.—**C. hiemalis pubescens.**
Planted, 1899.
- 625.—**C. Korolkowii**, HORT. Central Asia.
Planted, 1895. Hardy.
- 626.—**C. lambertiana**, LGE. (*C. nigra* ? x *C. sanguinea*).
Planted, 1896. Hardy.
C. latifolia, Lam. = *Pyrus rotundifolia*, Bechst.
C. leucophloeos, Moench. = *C. tomentosa*, L.
C. macracantha, Lodd. = *C. coccinea macracantha*.
- 627.—**C. melanocarpa**, BIEB. Caucasus.
Planted, 1899.
- 628.—**C. mollis**, SCHEEL. United States.
Planted, 1896. Hardy.
- 629.—**C. mollis tiliifolia.**
Planted, 1897. Hardy.
- 630.—**C. nigra**, WALDST & KIT. Eastern Europe.
Planted, 1896. Hardy.
- 631.—**C. orientalis**, PALL. Orient.
Planted, 1896. Hardy.
- 632.—**C. Oxyacantha**, L. English Hawthorn.
Europe, North Africa, West Asia.
Planted, 1896. Hardy.
- 633.—**C. Oxyacantha auriculata.**
Planted, 1898.
- 634.—**C. Oxyacantha candida.**
Planted, 1894. Hardy.
- 635.—**C. Oxyacantha coccinea Pauli.**
Planted, 1894. Half hardy ; some specimens hardy.
- 636.—**C. Oxyacantha elegans.**
Planted, 1899.
- 637.—**C. Oxyacantha fastigiata.**
Planted, 1898.
- 638.—**C. Oxyacantha filicifolia.**
Planted, 1897. Hardy.
- 639.—**C. Oxyacantha flexuosa.**
Planted, 1897. Died. Re-planted, 1899.
- 640.—**C. Oxyacantha flore albo pleno.**
Planted, 1898.
- 641.—**C. Oxyacantha flore candido pleno.**
Planted, 1898.
- 642.—**C. Oxyacantha flore kermesino pleno.**
Planted, 1899.
- 643.—**C. Oxyacantha flore pleno puniceo.**
Syn., *C. Oxyacantha punicea*.
Planted, 1894. Half hardy.

CRATAEGUS—HAWTHORN—*Continued.*

- 644.—**C. Oxyacantha flore rubro pleno.**
Planted, 1897. Half hardy ; some specimens hardy.
- 645.—**C. Oxyacantha fol. argenteis variegatis.**
Planted, 1897. Hardy.
- 646.—**C. Oxyacantha fol. argenteis variegatis pendula.**
Planted, 1898.
- 647.—**C. Oxyacantha fol. luteis.**
Planted, 1899.
- 648.—**C. Oxyacantha fructu luteo.**
Planted, 1898.
- 649.—**C. Oxyacantha Gumperi versicolor.**
Planted, 1894. Half hardy.
- 650.—**C. Oxyacantha horrida.**
Planted, 1897. Hardy.
- 651.—**C. Oxyacantha pendula.**
Planted, 1897. Hardy.
- 652.—**C. Oxyacantha pendula flore roseo.**
Planted, 1897. Hardy.
- 653.—**C. Oxyacantha pendula ramulis aureis.**
Planted, 1897. Hardy.
C. Oxyacantha punicea = *C. Oxyacantha flore pleno puniceo*.
- 654.—**C. Oxyacantha semperflorens.**
Planted, 1897. Hardy.
- 655.—**C. Oxyacantha sibirica.**
Syn., *C. sibirica*, Lodd.
Planted, 1896. Half hardy.
- 656.—**C. Oxyacantha tricoloribus.**
Planted, 1895. Half hardy.
- 657.—**C. pectinata**, BOSC. Caucasus, Persia.
Planted, 1896. Hardy.
- 658.—**C. pentagyna**, KIT. Eastern Europe.
Planted, 1896. Hardy.
- 659.—**C. pinnatifida**, BUNGE. China.
Planted, 1896. Hardy.
C. populifolia, Walt. = *C. cordata*, Ait.
C. prunifolia, Pers = *C. Crus-galli splendens*.
- 660.—**C. punctata**, JACQ. Dotted Haw. Eastern North America.
Planted, 1896. Hardy.
- 661.—**C. punctata rubra.**
Planted, 1896. Hardy.
- 662.—**C. Pyracantha**, PERS. South Europe.
Syn., *Cotoneaster Pyracantha*, Spach.
Planted, 1896. Winter killed.
- 663.—**C. Pyracantha fructu albo.**
Planted, 1896. Tender.
- 664.—**C. Pyracantha Lalandi.**
Planted, 1896. Winter killed.
C. pyrifolia, Ait. = *C. tomentosa*, L.
C. rivularis, Nutt. = *C. Douglasii rivularis*.
C. rotundifolia, Moench. = *C. coccinea*, L.

CRATAEGUS—HAWTHORN—Concluded.

- 665.—**C. sanguinea**, PALL. Siberia.
Syn., *C. succulenta*, Schrad.
 Planted, 1896. Hardy.
C. sanguinea Schroederi = *C. chlorosarca*, Maxim.
C. sibirica, Lodd. = *C. Oxyacantha sibirica*.
- 666.—**C. sorbifolia**, LANGE. Origin unknown.
 Planted, 1896. Hardy.
- 667.—**C. spathulata**, MICHX. Spatulate Haw.
 Southern United States.
 Planted, 1896. Hardy.
C. succulenta, Schrad. = *C. sanguinea*, Pall.
- 668.—**C. tanacetifolia fructu albo**.
 Planted, 1896. Hardy.
- 669.—**C. tanacetifolia leana**.
 Planted, 1896. Hardy.
- 670.—**C. tomentosa**, L. Black Haw. Canada
 and Eastern United States.
Syn., *C. pyrifolia*, Ait.; *C. leucophloeos*, Moench.
 Planted, 1896. Hardy.
C. Torminalis, L. = *Pyrus Torminalis*, DC.
- 671.—**C. trigyna**, HORT.
 Planted, 1898.
- 672.—**C. uniflora florida**.
 Planted, 1898.
- 673.—**C. Wenolandii**.
 Planted, 1896. Hardy.
 CRANBERRY. See VACCINIUM.
 CURRANT. See RUBUS.

CYTISUS—BROOM.

- 674.—**C. albus**, L. Spain and Portugal.
Syn., *Genista alba*, Lam.
 Planted, 1895. Winter killed.
C. alpinus, Mill. = *Laburnum alpinum*, J. S. Presl.
- 675.—**C. biflorus**, L'HERIT. Eastern Europe.
Syn., *C. elongatus*, Waldst & Kit; *C. ratisbonensis*, Schaeff.
 Planted, 1889. Hardy.
- 676.—**C. capitatus**, JACQ. Europe.
 Planted, 1891. Hardy.
- 677.—**C. hirsutus**, L. South Europe and Asia Minor.
 Planted, 1896. Half hardy.
C. Laburnum, L. = *Laburnum vulgare*, J. S. Presl.
- 678.—**C. nigricans**, L. Europe.
Syn., *Lombotropis nigricans*, Griseb.
 Planted, 1897. Tender.
- 679.—**C. nigricans longispicatus**.
 Planted, 1899.
- 680.—**C. proliferus albidus**.
 Planted, 1896. Winter killed.
- 681.—**C. purpureus**, Scop. Eastern Europe.
 Planted, 1896. Half hardy.

CYTISUS—BROOM—Concluded.

- 682.—**C. purpureus elongatus**.
 Planted, 1899.
- 683.—**C. schipkaensis**. Balkan Mountains.
 Planted, 1897. Tender.
- 684.—**C. scoparius**, LINK. Common Broom.
 Europe.
Syn., *Genista scoparia*, Lam; *Spartium scoparium*, L.
 Planted, 1896. Winter killed.
- 685.—**C. scoparius andréanus**.
Syn., *Genista andréana*, Revue Horticole; *Spartium andreaeum*.
 Planted, 1897. Winter killed.
- 686.—**C. scoparius pendulus**.
 Planted, 1897. Winter killed.
- 687.—**C. sessilifolius**, L. South Europe.
Syn., *Lombotropis sessilifolius*, Griseb.
 Planted, 1897. Tender.
- 688.—**C. triflorus**, L'HERIT. Western Mediterranean Regions.
 Planted, 1896. Half hardy.

DAPHNE.

- 689.—**D. Cneorum**, L. South Europe.
 Planted, 1896. Hardy.
- 690.—**Daphne Cneorum major**.
 Planted, 1898.
- 691.—**D. Dauphini**, HORT. (*D. sericea* x *D. odora*).
 Planted, 1896. Winter killed.
- 692.—**D. Genkwa**, SIEB. & ZUCC. China and Japan.
 Planted, 1895. Winter killed.
- 693.—**D. Laureola**, L. Europe, North Africa, West Asia.
 Planted, 1897. Winter killed.
- 694.—**D. Mezereum**, L. Europe, Siberia.
 Planted, 1897. Hardy, where protected.
- 695.—**D. Mezereum album**.
 Planted, 1899.
- 696.—**D. Mezereum rubrum**.
 Planted, 1899.
- 697.—**D. odora**, THUNB. China and Japan.
 Planted, 1897. Tender.
- 698.—**D. odora alba**.
 Planted, 1897. Winter killed.
 DESMODIUM. See LESPEDEZA.

DEUTZIA.

- 699.—**D. crenata**, SIEB. & ZUCC. Japan.
Syn., *D. Fortunei*, Hort.
 Planted, 1894. Tender.
- 700.—**D. crenata candidissima plena**.
 Planted, 1894. Tender.
- 701.—**D. crenata flore pleno**.
 Planted, 1894. Tender.

DEUTZIA—*Concluded.*

- 702.—**D. crenata foliis albo punctatis.**
Planted, 1896. Half hardy.
- 703.—**D. crenata fol. variegatis.**
Planted, 1896. Tender.
- 704.—**D. crenata macrosepala.**
Planted, 1897. Half hardy.
- 705.—**D. crenata** Pride of Rochester.
Planted, 1894. Tender.
- 706.—**D. discolor purpurascens.**
Planted, 1894. Tender.
D. Fortunei, Hort. = D. crenata, Sieb. & Zucc.
- 707.—**D. gracilis, SIEB. & ZUCC.** Japan.
Planted, 1896. Tender.
- 708.—**D. gracilis variegata.**
Planted, 1896. Tender.
- 709.—**D. hybrida Watererii.**
Planted, 1899.
- 710.—**D. hybrida Wellsii.**
Planted, 1896. Tender.
- 711.—**D. Lemoinei, LEMN. (D. gracilis x D. parviflora.)**
Planted, 1898.
- 712.—**D. parviflora, BUNGE.** China.
Planted, 1896. Hardy.
- 713.—**D. scabra, THUNB.** China and Japan.
Planted, 1896. Tender.
- 714.—**D. sieboldiana, MAXIM.** Japan.
Planted, 1896. Hardy. Probably not correctly named.
- 715.—**D. staminea, R. BR.** Himalaya.
Planted, 1899.

DEWBERRY. See RUBUS.

DIERVILLA—WEIGELA.*D. amabilis, Carr. = D. florida, Sieb. & Zucc.*

- 716.—**D. arborea purpurata.**
Planted, 1897. Half hardy.
- 717.—**D. arborea superba.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 718.—**D. arborea versicolor.**
Planted, 1897. Hardy.
- 719.—**D.—? Augusta.**
Planted, 1897. Hardy.
D. canadensis, Willd. = D. Lonicera, Mill.
- 720.—**D. candida, HORT.**
Planted, 1891. Half hardy.
- 721.—**D.—? Elisabeth.**
Planted, 1897. Half hardy.
- 722.—**D. excelsa, HORT.**
Planted, 1897. Hardy.
- 723.—**D. florida, SIEB. & ZUCC.** China.
Syns., D. amabilis, Carr.; D. rosea, Lindl. & D. rosea Walp.
Planted, 1889. Half hardy.

DIERVILLA—WEIGELA—*Continued.*

- 724.—**D. florida alba.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 725.—**D. florida André Leroy.**
Planted, 1897. Winter killed.
- 726.—**D. florida aureo marginata.**
Planted, 1899.
- 727.—**D. florida Desboisii.**
Planted, 1889. Half hardy.
- 728.—**D. florida foliis variegatis.**
Planted, 1889. Half hardy.
- 729.—**D. florida Grœnewegenii.**
Planted, 1889. Half hardy.
- 730.—**D. florida Gustave Mallet.**
Planted, 1898.
- 731.—**D. florida multiflora.**
Planted, 1899.
- 732.—**D. florida nana foliis variegatis.**
Planted, 1896. Half hardy.
- 733.—**D. florida Sieboldii alba marginata.**
Planted, 1889. Half hardy.
- 734.—**D. florida Stelznerii.**
Planted, 1896. Tender.
- 735.—**D. florida Van Houttei.**
Planted, 1889. Tender.
- 736.—**D. florida versicolor fol. marginatis.**
Planted, 1897. Tender.
- 737.—**D. grandiflora sulphurea.**
Planted, 1897. Winter killed.
- 738.—**D. — ? Harlequin.**
Planted, 1898.
- 739.—**D. hortensis A. Carrière.**
Planted, 1896. Half hardy.
- 740.—**D. hortensis Bayard.**
Planted, 1895. Winter killed.
- 741.—**D. hortensis Béranger.**
Planted, 1897. Tender.
- 742.—**D. hortensis floribunda.**
Planted, 1895. Winter killed.
- 743.—**D. hortensis gigantiflora.**
Planted, 1895. Half hardy.
- 744.—**D. hortensis gratissima.**
Planted, 1895. Tender.
- 745.—**D. hortensis grandiflora flore albo.**
Planted, 1895. Winter killed.
- 746.—**D. hortensis Looymansii aurea.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 747.—**D. hortensis nivea.**
Planted, 1899.
- 748.—**D. hortensis venosa.**
Planted, 1889. Tender.
- 749.—**D. hybrida André Thouin.**
Planted, 1895. Half hardy.
- 750.—**D. hybrida Aug. Wilhelm.**
Planted, 1895. Tender.

DIERVILLA—WEIGELA—*Continued.*

- 751.—**D. hybrida Congo.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 752.—**D. hybrida conquête.**
Planted, 1899.
- 753.—**D. hybrida Daubenton.**
Planted, 1897. Tender.
- 754.—**D. hybrida de Jussieu.**
Planted, 1897. Tender.
- 755.—**D. hybrida Descartes.**
Planted, 1895. Tender.
- 756.—**D. hybrida Diderot.**
Planted, 1897. Tender.
- 757.—**D. hybrida Dr. Baillon.**
Planted, 1897. Tender.
- 758.—**D. hybrida Edouard André.**
Planted, 1895. Winter killed.
- 759.—**D. hybrida Emile Gallé.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 760.—**D. hybrida Eva Rathke.**
Planted, 1897. Half hardy.
- 761.—**D. hybrida Gavarni.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 762.—**D. hybrida Gloire des Bosquets.**
Planted, 1895. Tender.
- 763.—**D. hybrida Héroïne.**
Planted, 1899.
- 764.—**D. hybrida incarnata.**
Planted, 1895. Winter killed.
- 765.—**D. hybrida Jean Macé.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 766.—**D. hybrida John Standish.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 767.—**D. hybrida Juvénal.**
Planted, 1895. Winter killed.
- 768.—**D. hybrida Lacépède.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 769.—**D. hybrida Lavallei.**
Planted, 1889. Half hardy.
- 770.—**D. hybrida Lowi.**
Planted, 1897. Winter killed.
- 771.—**D. hybrida Madame Couturier.**
Planted, 1899.
- 772.—**D. hybrida Madame Teillier.**
Planted, 1897. Hardy.
- 773.—**D. hybrida Mémoire de Mme. Van Houtte.**
Planted, 1895. Half hardy.
- 774.—**D. hybrida Montesquieu.**
Planted, 1895. Winter killed. Re-planted, 1899.

DIERVILLA—WEIGELA—*Concluded.*

- 775.—**D. hybrida Othello.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 776.—**D. hybrida Pascal.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 777.—**D. hybrida P. Duchartre.**
Planted, 1898.
- 778.—**D. hybrida Pechéur fils.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 779.—**D. hybrida Téniers.**
Planted, 1897. Tender.
- 780.—**D. hybrida Voltaire.**
Planted, 1897. Tender.
- 781.—**D. intermedia, HORT.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 782.—**D. japonica, DC.** Japan.
Planted, 1897. Half hardy.
- 783.—**D. Lonicera, MILL.** Canada, United States.
Syns., D. canadensis, Willd. ; D. lutea, Pursh.
Planted, 1896. Hardy.
D. lutea, Pursh. = D. Lonicera, Mill.
- 784.—**D. — ? Madame Lemoine.**
Planted, 1897. Hardy.
- 785.—**D. middendorffiana, CARR.** Siberia.
Planted, 1899.
- 786.—**D. — ? Mons. Dauvesse.**
Planted, 1897. Half hardy.
- 787.—**D. praecox.**
Planted, 1899.
D. rosea, Walp. ; D. rosea, Lindl. = D. florida, Sieb. & Zucc.
- 788.—**D. sessilifolia, BUCKL.** Carolina and Tennessee.
Planted, 1895, Hardy.
- 799.—**D. sessilifolia splendens.**
Planted, 1898.
D. splendens, Carr. = D. sessilifolia splendens.
D. trifida, Moench. = D. Lonicera, Mill.
- 790.—**D. Verschaffelti, HORT.**
Planted, 1889. Half hardy.
DIMORPHANTHUS. *See* ARALIA.
- DIOSPYROS**—PERSIMMON.
- 791.—**D. Lotus, L.** European Lotus. South Europe, Temperate Asia.
Planted, 1889. Winter killed.
- 792.—**D. virginiana, L.** Common Persimmon. United States.
Planted, 1897. Tender.
- DIPLOEAPPUS. *See* CASSINIA.

DIRCA—MOOSE-WOOD. LEATHERWOOD.

- 793.—**D. palustris**, L. North America.
Planted, 1896. Hardy.
DOGWOOD. See CORNUS.

ELAEAGNUS—OLIVE.

- 794.—**E. angustifolia**, L. Russian Olive.
Mediterranean region and Orient.
Syn., *E. hortensis*, Bieb.
Planted, 1890. Hardy.
- 795.—**E. angustifolia media**.
Planted, 1896. Hardy.
- 796.—**E. argentea**, PURSH. Wolf willow.
North America.
Planted, 1890. Hardy.
E. crispata, Thunb. = *E. multiflora*, Thunb.
E. edulis, Sieb. = *E. multiflora*, Thunb.
- 797.—**E. Frederici variegata**.
Planted, 1897. Half hardy.
- 798.—**E. japonica macrophylla**.
Syn., *E. umbellata macrophylla*.
Planted, 1895. Winter killed.
E. longipes, A. Gray. = *E. multiflora*,
Thunb.
- 799.—**E. macrophylla**, THUNB. China, Japan.
Planted, 1894. Hardy.
- 800.—**E. multiflora**, THUNB. China, Japan.
Syn., *E. crispata*, Thunb.; *E. edulis*, Sieb.;
E. longipes, A. Gray.
Planted, 1890. Winter killed.
- 801.—**E. orientalis**, L. Orient.
Planted, 1896. Hardy.
E. parvifolia, Thunb. - *E. umbellata*,
Thunb.
- 802.—**E. pungens**, THUNB. China, Japan.
Planted, 1895. Winter killed. Planted,
1897. Half hardy.
- 803.—**E. pungens argentea**.
Planted, 1895. Winter killed.
- 804.—**E. pungens aurea**.
Planted, 1895. Winter killed.
- 805.—**E. pungens Simonii tricolor**.
Planted, 1897. Winter killed.
- 806.—**E. umbellata** THUNB. Japan.
Syn., *E. japonica*, Hort.; *E. parvifolia*,
Wall.
Planted, 1896. Hardy.
ELDER. See SAMBUCUS.
ELM. See ULMUS.

ENKIANTHUS.

- 807.—**E. campanulatus**, NICHOLS. Japan.
Planted, 1896. Hardy.
- 808.—**E. cernuus rubens**.
Planted, 1897. Half hardy.
- 809.—**E. japonicus**, HOOK. F. Japan.
Planted, 1897. Half hardy.

EPHEDRA.

- 810.—**E. distachya monostachya**.
Syn., *E. monostachya*, L.
Planted, 1896. Half hardy.
E. monostachya, Stapf. = *E. distachya*
monostachya.

ERICA—HEATH.

- 811.—**E. carnea**, L. Europe.
Syn., *E. herbacea*, L.
Planted, 1897. Half hardy.
E. herbacea, L. = *E. carnea*, L.
- 812.—**E. Tetralix**, L. Cross-leaved Heath. North
& West Europe to Russia.
Planted, 1895. Hardy.
- 813.—**E. vagans**, Cornish Heath. South-West-
ern Europe (Cornwall).
Planted, 1894. Winter killed.
- 814.—**E. vagans alba**.
Planted, 1897. Winter killed. Re-planted,
1898.
- 815.—**E. vagans capitata**.
Planted, 1898.

EUONYMUS—SPINDLE TREE.

- 816.—**E. alatus**, THUNB. Japan.
Planted, 1896. Hardy.
- 817.—**E. americanus angustifolius**.
Planted, 1897. Hardy.
- 818.—**E. americanus obovatus**.
Planted, 1894. Hardy.
- 819.—**E. americanus obovatus fol. variegatis**.
Planted, 1899.
- 820.—**E. atropurpureus**, JACQ. Burning Bush.
Eastern North America.
Planted, 1895. Hardy.
- 821.—**E. bungeanus**, MAXIM. Amur Region.
Planted, 1896. Hardy.
- 822.—**E. europaeus**, L. Common Spindle Tree.
Europe, Western Siberia.
Planted, 1890. Hardy.
- 823.—**E. europaeus fol. variegatis**.
Planted, 1897. Hardy.
- 824.—**E. europaeus fructu albo**.
Planted, 1897. Hardy.
- 825.—**E. europaeus fructu atropurpureus**.
Planted, 1897. Hardy.
- 826.—**E. europaeus fructu coccineo**.
Planted, 1897. Hardy.
- 827.—**E. europaeus ovatus**.
Planted, 1897. Hardy.
- 828.—**E. japonicus ovatus aureus**.
Planted, 1895. Winter killed.
- 829.—**E. japonicus pulchellus foliis argenteis**.
Planted, 1895. Winter killed.
- 830.—**E. latifolius**, Scop. Europe, Asia.
Planted, 1897. Died to ground. Prob-
ably not winter killed.

EUONYMUS—SPINDLE TREE—*Concluded.*

- 831.—**E. latifolius argenteus.**
Planted, 1895. Winter killed.
- 832.—**E. linearis.**
Planted, 1894. Hardy.
- 833.—**E. Maackii**, RUPR. Amurland.
Planted, 1899.
E. macrophyllus = *E. japonicus macrophyllus*.
- 834.—**E. nanus**, MB. Caucasus.
Planted, 1890. Hardy.
- 835.—**E. nanus Koopmanni.**
Planted, 1896. Hardy.
- 836.—**E. nanus obovatus.**
Planted, 1894. Hardy.
- 837.—**E. nanus variet.**
Planted, 1896. Hardy.
- 838.—**E. radicans**, SIEB. & ZUCC. Japan.
Planted, 1898. Winter killed in nursery.
- 839.—**E. radicans fol. argenteis marginatis.**
Planted, 1897. Tender.
- 840.—**E. radicans fol. roseo-marginatis.**
Planted, 1897. Winter killed.
- 841.—**E. radicans stricta.**
Planted, 1897. Tender.
- 842.—**E. radicans variegata.**
Planted, 1897. Tender.
- 843.—**E. verrucosus**, SCOP. East Europe to Amurland.
Planted, 1896. Hardy.

EUPTELEA.

- 844.—**E. polyandra**, SIEB. & ZUCC. Japan.
Planted, 1897. Tender.

EUSCAPHIS.

- 845.—**E. staphyleoides**, SIEB. & ZUCC. China and Japan.
Planted, 1897. Winter killed.

EXOCHORDA.

- 846.—**E. Alberti**, REGEL. Persia.
Planted, 1895. Winter killed. Half hardy, 1898.
- 847.—**E. grandiflora**, LINDL. China.
Planted, 1894. Winter killed. Re-planted, 1899.

FAGUS—BEECH.

- 848.—**F. ferruginea**, AIT. American Beech. North America.
Planted, 1898. Hardy.
F. ferruginea cochleata, Hort. = *F. sylvatica cochleata*.
- 849.—**F. sylvatica**, L. European Beech. Europe, Asia Minor.
Planted, 1896. Half hardy.
F. sylvatica asplenifolia = *F. sylvatica heterophylla*.

FAGUS—BEECH—*Concluded.*

- 850.—**F. sylvatica atropurpurea** Brocklesby.
Planted, 1897. Half hardy.
- 851.—**F. sylvatica atropurpurea latifolia.**
Planted, 1897. Tender.
- 852.—**F. sylvatica atropurpurea nana pendula.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 853.—**F. sylvatica atropurpurea pendula.**
Planted, 1899.
- 854.—**F. sylvatica atropurpurea pendula nova.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 855.—**F. sylvatica bornyensis.**
Planted, 1895. Half hardy.
- 856.—**F. sylvatica circinata.**
Planted, 1898.
- 857.—**F. sylvatica cochleata.**
Syn., F. ferruginea cochleata.
Planted, 1896. Hardy.
F. sylvatica comptoniifolia = *F. sylvatica heterophylla*.
- 858.—**F. sylvatica grandidentata.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 859.—**F. sylvatica heterophylla.**
Syn., F. sylvatica asplenifolia; F. sylvatica comptoniifolia.
Planted, 1893. Half hardy.
- 860.—**F. sylvatica latifolia.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 861.—**F. sylvatica pendula.** Weeping Beech.
Planted, 1893. Half hardy.
- 862.—**F. sylvatica purpurea.** Purple Beech.
Planted, 1893. Half hardy.
- 863.—**F. sylvatica purpurea fol. roseo marginatis.**
Planted, 1895. Half hardy. Winter killed, 1898.
- 864.—**F. sylvatica purpurea pendula Reg-gerloo.**
Planted, 1895. Half hardy.
- 865.—**F. sylvatica purpurea tricolor.**
Planted, 1899.
- 866.—**F. sylvatica quercoides.**
Planted, 1897. Hardy.
- 867.—**F. sylvatica remillyensis.**
Planted, 1898.
- 868.—**F. sylvatica rotundifolia minor.**
Planted, 1898.
- 869.—**F. sylvatica Zlatia.**
Planted, 1899.
- FALSE INDIGO. See AMORPHA.

FATSIA.

- 870.—**F. japonica**, DCNE & PLANCH. Japan.
Syns., Aralia japonica, Thunb. ; Aralia Sieboldii, Sieb.
 Planted, 1895. Winter killed.
FILARIA. See PHILLYRAEA.
FILBERT. See CORYLUS.

FONTANESIA.

- 871.—**F. angustifolia**, DIPP.
 Planted, 1897. Tender.
F. californica, Hort. = F. philliraeoides longifolia.
 872.—**F. Fortunei**, CARR. China.
 Planted, 1896. Hardy.
 873.—**F. philliraeoides**, LABILL. Asia Minor.
 Planted, 1897. Hardy.
 874.—**F. philliraeoides longifolia.**
Syn., F. californica, Hort.
 Planted, 1896. Half hardy.

FORESTIERA.

- 875.—**F. acuminata**, POIR. Southern United States.
 Planted, 1898.

FORSYTHIA—GOLDEN BELL.

- F. Fortunei, Hort. = F. suspensa, Vahl.*
 876.—**F. intermedia**, ZABEL (**F. suspensa** x **F. viridissima**). Garden Origin.
 Planted, 1894. Hardy.
F. Sieboldi, Dipp. = F. suspensa, Vahl.
 877.—**F. suspensa**, VAHL. China.
Syn., F. Fortunei, Hort. ; F. Sieboldi, Dipp.
 Planted, 1890. Half hardy.
 878.—**F. viridissima**, LINDL. China.
 Planted, 1896. Half hardy.

FRAXINUS—ASH.

- F. alba, Marsh. = F. americana, L.*
 879.—**F. americana**, L. White Ash. North America.
Syns., F. alba, Marsh. ; F. juglandifolia, Lam.
 Planted, 1889. Hardy.
 880.—**F. americana acubaeifolia**, HORT.
 Planted, 1893. Hardy.
F. americana epiptera = F. americana microcarpa.
 881.—**F. americana erythrocarpa.**
 Planted, 1889. Hardy.
 882.—**F. americana fol. argenteis marginatis.**
 Planted, 1893. Hardy.
F. americana longifolia = F. americana microcarpa.
 883.—**F. americana macrophylla.**
 Planted, 1896. Hardy.

FRAXINUS—ASH—Continued.

- 884.—**F. americana microcarpa.**
Syns., F. amer. epiptera ; F. amer. longifolia ; F. Norae-Angliae, Hort.
 Planted, 1896. Hardy.
 885.—**F. americana rufa.**
 Planted, 1893. Hardy.
 886.—**F. angustifolia**, VAHL. South Europe.
Syns., F. australis, J. Gay. ; F. oxycarpa, Willd. ; F. tamariscifolia, Vahl.
 Planted, 1896. Hardy.
 887.—**Fraxinus angustifolia nana.**
 Planted, 1896. Hardy.
 888.—**F. anomala**, TORR. Dwarf Ash. Utah.
 Planted, 1897. Tender.
 889.—**F. arbutifolia**, HORT.
 Planted, 1896. Hardy.
F. australis, J. Gay = F. angustifolia, Vahl.
 890.—**F. berlandieriana**, DC. Berlandier Ash. Southern Mexico.
 Planted, 1897. Hardy.
 891.—**F. bungeana**, DC. China and Japan.
Syn., F. pubinervis, Blume.
 Planted, 1893. Half hardy.
 892.—**F. bungeana parvifolia.**
 Planted, 1897. Hardy.
 893.—**F. caroliniana**, MILL. Water Ash. Southern United States.
Syn., F. platycarpa, Michx.
 Planted, 1897. Tender.
 894.—**F. dimorpha**, COSS & DUR. North Africa.
 Planted, 1899.
 895.—**F. dimorpha dumosa.**
 Planted, 1897. Half hardy.
 896.—**F. elonga japonica.**
 Planted, 1897. Half hardy.
 897.—**F. Elonza**, DIPPEL. Origin uncertain.
 Planted, 1896. Half hardy.
 898.—**F. excelsior**, L. European Ash. Europe, North Africa.
 Planted, 1890. Hardy.
 899.—**F. excelsior asplenifolia.**
 Planted, 1896. Hardy.
F. excelsior atrovirens = F. excelsior crispa.
 900.—**F. excelsior aurea.** Golden European Ash.
 Planted, 1896. Tender.
 901.—**F. excelsior aurea nana.** Dwarf Golden European Ash.
 Planted, 1897. Half hardy.
 902.—**F. excelsior aurea pendula.** Drooping Golden European Ash.
 Planted, 1897. Hardy.
 903.—**F. excelsior crispa.**
Syn., F. excelsior atrovirens.
 Planted, 1896. Hardy.

FRAXINUS—ASH—*Continued.*

- 904.—**F. excelsior concavaefolia.**
Planted, 1893. Hardy.
- 905.—**F. excelsior cucullata.**
Planted, 1893. Hardy.
- 906.—**F. excelsior elegantissima.**
Planted, 1896. Hardy.
- 907.—**F. excelsior foliis aureis.**
Planted, 1896. Half hardy.
- 908.—**F. excelsior globosa.**
Planted, 1893. Hardy.
- 909.—**F. excelsior heterophylla.**
Syn., F. excelsior monophylla.
Planted, 1893. Hardy.
- 910.—**F. excelsior heterophylla laciniata.**
Planted, 1896. Hardy.
- 911.—**F. excelsior heterophylla pendula.**
Planted, 1899.
- 912.—**F. excelsior jaspidea.**
Planted, 1896. Hardy.
- 913.—**F. excelsior lenticifolia.**
Planted, 1897. Tender.
F. excelsior monophylla = F. excelsior hetero-
phylla.
- 914.—**F. excelsior myrtifolia.**
Syn., F. excelsior polemoniifolia.
Planted, 1893. Hardy.
- 915.—**F. excelsior oxyacanthifolia.**
Planted, 1896. Hardy.
- 916.—**F. excelsior pendula.** Weeping Euro-
pean Ash.
Planted, 1897. Hardy.
- 917.—**F. excelsior pendula Wentworthi.**
Planted, 1896. Hardy.
F. excelsior polemoniifolia = F. excelsior
myrtifolia.
- 918.—**F. excelsior salicifolia.**
Planted, 1893. Half hardy.
- 919.—**F. excelsior scolopendriifolia.**
Planted, 1896. Tender.
- 920.—**F. excelsior spectabilis.**
Planted, 1896. Hardy.
- 921.—**F. excelsior Transoni.**
Planted, 1898.
- 922.—**F. excelsior verrucosa.**
Planted, 1896. Hardy.
- 923.—**F. excelsior verticillata.**
Syn., F. verticillata, Lodd.
Planted, 1896. Hardy.
- 924.—**F. expansa, HORT. (F. americana x**
F. viridis? KOEHNE).
Planted, 1896. Half hardy.
- 925.—**F. glabra, LAWSON. (F. pennsylvanica**
x F. viridis? KOEHNE).
Planted, 1896. Hardy.
F. juglandifolia, Lam. = F. americana, L.

FRAXINUS—ASH—*Continued.*

- 926.—**F. longicuspis, SIEB. & ZUCC.** Japan.
Planted, 1893. Half hardy.
- 927.—**F. lutea, HORT.**
Planted, 1897. Hardy.
- 928.—**F. Mariesii, HOOK.** China.
Planted, 1899.
- 929.—**F. mandshurica, RUPR.** Mandshuria to
Sachalin and Japan.
Planted, 1896. Hardy.
- 930.—**F. Novae-Angliae, HORT.**
Planted, 1893. Hardy.
- 931.—**F. nigra, MARSH.** Black Ash. Canada,
United States.
Syn., F. sambucifolia, Lam.
Planted, 1889. Hardy.
- 932.—**F. nigra crispa,**
Planted, 1896. Hardy.
- 933.—**F. numidica, DIPPEL.** North Africa.
Planted, 1897. Tender.
- 934.—**F. oregona foliis pulverulentis.**
Planted, 1896. Hardy.
- 935.—**F. Ornus, L.** Flowering Ash. Mediter-
ranean region and Orient.
Planted, 1889. Tender.
F. oxycarpa, Willd. = F. angustifolia, Vahl.
- 936.—**F. parvifolia, LAM.** South Europe,
Orient.
Planted, 1896. Half hardy.
- 937.—**F. parvifolia minor.**
Planted, 1897. Tender.
- 938.—**F. parvifolia monophylla.**
Planted, 1897. Hardy.
- 939.—**F. parvifolia pendula.**
Planted, 1896. Half hardy.
- 940.—**F. pennsylvanica, MARSH.** Red Ash.
North America.
Syn., F. pubescens, Lam.
Planted, 1889. Hardy.
- 941.—**F. pennsylvanica lanceolata, SARGENT.**
Green Ash. Canada, United States.
Syn., F. viridis, Michx.
Planted, 1889. Hardy.
F. platycarpa, Michx. = F. caroliniana,
Mill.
- 942.—**F. potamophila, HERD.** Turkestan.
Planted, 1898.
F. pubescens, Lam. = F. pennsylvanica,
Marsh.
- 943.—**F. pubescens aucubifolia.**
Planted, 1897. Hardy.
F. pubinervis, Blume - F. bungeana, DC.
- 944.—**F. quadrangulata, MICHX.** Blue Ash.
Western Ontario, United States.
Planted, 1896. Hardy.
- 945.—**F. Regelii, DIPPEL.** Turkestan.
Planted, 1896. Hardy.

FRAVINUS—ASH—*Concluded.*

- 946.—**F. Richardi**, HORT.
Planted, 1897. Hardy.
- 947.—**F. rhynchophylla**, HANCE. China.
Planted, 1896. Tender.
- 948.—**F. rotundifolia argentea**.
Planted, 1898.
F. sambucifolia, Lam. = *F. nigra*, Marsh.
- 949.—**F. sieboldiana**, BLUME. Japan.
Planted, 1897. Tender.
- 950.—**F. sogdiana**, BUNGE. Turkestan.
Syn., *F. turkestanica*, Hort.
Planted, 1890. Hardy.
F. tamariscifolia, Vahl. = *F. angustifolia*, Vahl.
- 951.—**F. Veltheimi**, DIECK. (**F. parvifolia** x **F. excelsior monophylla**). Garden Origin.
Planted, 1896. Half hardy.
F. verticillata, Lodd. = *F. excelsior verticillata*.
F. viridis, Michx. = *F. pennsylvanica lanceolata*.
- 952.—**F. xanthoxyloides**, WALL. Himalaya.
Planted, 1898.
FRINGE-TREE. See CHIONANTHUS.

GAULTHERIA—AROMATIC WINTERGREEN.

- 953.—**G. Shallon**, PURSH. Salal. Western North America.
Planted, 1895. Winter killed. Re-planted, 1899.

GAYLUSSACIA—HUCKLEBERRY.

- 954.—**G. frondosa**, TORR & GRAY. Dangleberry. Eastern United States.
Planted, 1897. Hardy.
- 955.—**G. resinosa**, TORR & GRAY. Black Huckleberry. North America.
Planted, 1896. Hardy.

GENISTA—GREEN-WEED.

- G. alba*, Lam. = *Cytisus albus*, L.
G. andréana, Revue Horticole = *Cytisus scoparius andréanus*.
- 956.—**G. germanica**, L. Europe.
Planted, 1898.
G. juncea, Lam. = *Spartium junceum*, L.
G. ovata, Hort. = *G. tinctoria elatior*.
- 957.—**G. sagittalis**, L. Europe.
Planted, 1899.
G. sibirica, Rehb. = *G. sagittalis*, L.
G. scoparia, Lam. = *Cytisus scoparius*, Link.
- 958.—**G. tinctoria**, L. Dyer's Green-weed. Europe.
Planted, 1894. Tender.
- 959.—**G. tinctoria elatior**.
Syn., *G. ovata*, Hort.
Planted, 1894. Tender.

GENISTA—GREEN-WEED—*Concluded.*

- 960.—**G. tinctoria flore pleno**.
Planted, 1895. Tender.
- 961.—**G. tinctoria latifolia**.
Planted, 1898.
- 962.—**G. tinctoria sibirica**.
Planted, 1896. Tender.
- GLEDITSCHIA**—HONEY LOCUST.
G. Bujoti pendula = *G. triacanthos pendulus*
- 963.—**G. caspica**, DESF. Region of Caspian Sea.
Planted, 1898.
- 964.—**G. excelsa pendula**.
Planted, 1897. Hardy.
G. ferox, Desf. = *G. sinensis*, Lam.
G. inermis = *G. triacanthos inermis*.
- 965.—**G. japonica**, MIQ. Japan.
Planted, 1899.
- 966.—**G. longispina**, HORT.
Planted, 1896. Half hardy.
- 967.—**G. macracantha**, DESF. China?
Planted, 1896. Winter killed. Re-planted, 1899.
- 968.—**G. monosperma**, WALT. South United States.
Planted, 1896. Half hardy.
- 969.—**G. sinensis**, LAM. China.
Syn., *G. ferox*, Desf.
Planted, 1896. Hardy.
- 970.—**G. sinensis nana**.
Planted, 1898.
- 971.—**G. sinensis nana inermis**.
Planted, 1896. Half hardy.
- 972.—**G. triacanthos**, L. Honey Locust. Western Ontario, Eastern United States.
Planted, 1898. Half hardy; hardy on other parts of the grounds.
- 973.—**G. triacanthos Bujoti pendula**.
Syn., *G. Bujoti pendula*.
Planted, 1896. Half hardy.
- 974.—**G. triacanthos inermis**.
Syn., *G. inermis*.
Planted, 1896. Half hardy.
- 975.—**G. triacanthos microsperma**.
Planted, 1898.
GLYCINE. See WISTARIA.
GOLDEN BELL. See FORSYTHIA.
GOOSEBERRY. See RIBES.
- GORDONIA**—LOBLOLLY BAY.
G. Altamaha, Sargent = *G. pubescens* L'Herit.
- 976.—**G. pubescens**, L'HERIT. South United States.
Syn., *G. Altamaha*, Sargent.
Planted, 1896. Winter killed.
GREEN-WEED. See GENISTA.
GROUNDSEL-TREE. See BACCHARIS.
GUM, SOUR. See NYSSA.

GYMNOCLADUS—KENTUCKY COFFEE TREE.

- 977.—*Gymnocladus canadensis*, LAM. North America.
Planted, 1890. Hardy.
HACKBERRY. See CELTIS.

HALESIA—SILVER-BELL TREE.

- 978.—*H. corymbosa*, NICHOLS. Japan.
Syn., *Pterostyrax corymbosum*, Sieb. & Zucc.
Planted, 1899.
- 979.—*H. hispida*, MAST. China and Japan.
Syn., *Pterostyrax hispidum*, Sieb. & Zucc.
Planted, 1896. Tender.
- 980.—*H. tetraptera*, L. Silver-bell Tree. West Virginia and Illinois to Florida.
Planted, 1897. Hardy.

HALIMODENDRON.

- 981.—*H. argenteum*, DC. Siberia.
Planted, 1896. Hardy.
- 982.—*H. argenteum flore purpureo*.
Planted, 1896. Hardy.

HAMAMELIS—WITCH HAZEL.

- 983.—*H. japonica*, SIEB. & ZUCC. Japan Witch Hazel, Japan.
Planted, 1895. Hardy.
- 984.—*H. virginica*, L. Witch Hazel. Eastern North America.
Planted, 1894. Hardy.
HAWTHORN. See CRATAEGUS.
HAZEL NUT. See CORYLUS.
HEATH. See ERICA.
HEATHER. See CALLUNA.

HEDERA—IVY.

- 985.—*H. Helix*, L. Common Ivy. Europe, Northern Africa, Northern Asia.
Planted, 1897. Hardy when well protected.
- 986.—*H. Helix arborea elegantissima*.
Planted, 1895. Winter killed.
- 987.—*H. Helix dentata*.
Planted, 1895. Winter killed.
- 988.—*H. Helix digitata aurea*.
Planted, 1895. Winter killed.
- 989.—*H. Helix canariensis*.
Syn., *H. hibernica*.
Planted, 1895. Winter killed.
- 990.—*H. Helix canariensis marginata*.
Planted, 1895. Winter killed.
- 991.—*H. Helix canariensis marginata alba*.
Planted, 1895. Winter killed.
- 992.—*H. Helix latifolia variegata*.
Planted, 1895. Winter killed.
- 993.—*H. Helix maculata major*.
Planted, 1895. Winter killed.
- 994.—*H. Helix reticulata aurea*.
Planted, 1895. Winter killed.

HEDERA—IVY—*Concluded*.

- 995.—*H. Helix rhomboidea arborea variegata*.
Planted, 1895. Winter killed.
- 996.—*H. Helix rhomboidea obovata*.
Planted, 1895. Winter killed.
- 997.—*H. Helix roegneriana*.
Planted, 1895. Winter killed.
- 998.—*H. Helix variegata*.
Planted, 1895. Winter killed.
H. hibernica—*H. Helix canariensis*.

HEDYSARUM.

- 999.—*H. multijugum*, MAXIM. Southern Mongolia.
Planted, 1897. Hardy.

HELIANTHEMUM—ROCK-ROSE.

- 1000.—*H. vulgare flore albo pleno*.
Planted, 1897. Hardy.
- 1001.—*H. vulgare luteo pleno*.
Planted, 1897. Hardy.

HELWINGIA.

- 1002.—*H. rusciflora*, WILLD. Japan.
Planted, 1897. Tender.
HICORY. See CARYA.

HIPPOPHAE—SEA BUCKTHORN.

- 1003.—*H. rhamnoides*, L. Common Sea Buckthorn. Europe, Temperate Asia.
Planted, 1894. Hardy.
HOLLY. See ILEX.
- 1004.—*H. salicifolia*, D. DON. Himalaya.
Planted, 1896. Hardy.
HONEY LOCUST. See GLEDITSCHIA.
HONEYSUCKLE. See LONICERA.
HOP HORNBEAM. See OSTRYA.
HOP TREE, THREE-LEAVED. See PTELEA.
HORNBEAM. See CARPINUS.
HORSE CHESTNUT. See ÆSCULUS.
HORTENSIA. See HYDRANGEA.

HOVENIA.

- 1005.—*H. dulcis*, THUNB. Himalaya, China.
Planted, 1897. Winter killed.
HUCKLEBERRY. See GAYLUSSACIA AND VACCINIUM.

HYDRANGEA.

- 1006.—*H. arborescens*, L. Eastern United States.
Planted, 1894. Tender.
- 1007.—*H. arborescens cordata*.
Planted, 1899.
- 1008.—*H. arborescens glauca*.
Planted, 1896. Tender.
- 1009.—*H. arborescens laevigata*.
Planted, 1896. Tender.

HYDRANGEA—*Continued.*

- 1010.—**H. arborescens urticifolia.**
Planted, 1896. Tender.
- 1011.—**H. Hortensia acuminata.**
Syn., *H. japonica acuminata.*
Planted, 1897. Winter killed.
- 1012.—**H. Hortensia coerulescens.**
Planted, 1897. Tender.
- 1013.—**H. Hortensia Madame von Siebold.**
Syn., *H. japonica Madame von Siebold.*
Planted, 1895. Winter killed.
- 1014.—**H. Hortensia japonica alba.**
Planted, 1897. Tender.
- 1015.—**H. Hortensia Lindleyi stellata rubra.**
Syn., *H. Lindleyi stellata rubra.*
Planted, 1897. Tender.
- 1016.—**H. Hortensia nigra.**
Syn., *H. mandschurica, Hort.*
Planted, 1896. Winter killed.
- 1017.—**H. Hortensia variegata.**
Syn., *Hortensia variegata.*
Planted, 1895. Winter killed.
- 1018.—**H. involucrata, SIEB. & ZUCC.** Japan.
Planted, 1895. Winter killed.
H. japonica acuminata = *H. Hortensia acuminata.*
H. japonica Madame von Siebold = *H. Hortensia Madame von Siebold.*
H. Lindleyi stellata rubra = *H. Hortensia Lindleyi stellata rubra.*
- 1019.—**H. paniculata, SIEB. & ZUCC.** Japan.
Planted, 1896. Hardy.
H. paniculata grandiflora = *H. paniculata hortensis.*
- 1020.—**H. paniculata hortensis.**
Syn., *H. paniculata grandiflora.*
Planted, 1896. Hardy.
- 1021.—**Hydrangea pekinensis.**
Planted, 1899.
- 1022.—**H. petiolaris, SIEB. & ZUCC.** Japan.
Planted, 1897. Half hardy.
- 1023.—**H. quercifolia, BARTR.** Oak-leaved Hydrangea. Southern United States.
Planted, 1874. Winter killed. Re-planted, 1898.
- 1024.—**H. radiata, WALT.** South-eastern United States.
Planted, 1895. Tender.
- 1025.—**H. radiata canescens.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 1026.—**H. scandens, POEPP.** Chili.
Syn., *Cornidia integerrima, Hook & Arn.*
Planted, 1895. Winter killed. Re-planted, 1899.
- 1027.—**H. Thunbergii, SIEB.** Japan.
Planted, 1897. Tender.

HYDRANGEA—*Concluded.*

- 1028.—**H. vestita pubescens.**
Planted, 1896. Half hardy.
- 1029.—**H. virens.**
Planted, 1897. Tender.
- HYPERICUM**—**ST. JOHN'S WORT.**
- 1030.—**H. Androsaemum, L.** Europe.
Planted, 1897. Winter killed.
- 1031.—**H. Ascyron, L.** Northern Asia, North America.
Planted, 1896. Tender.
- 1032.—**H. aureum, BARTR.** South United States.
Planted, 1895. Winter killed. Re-planted, 1899.
- 1033.—**H. calycinum, L.** Orient.
Planted, 1899.
- 1034.—**H. chinense, L.** China and Japan.
Planted, 1897. Winter killed.
- 1035.—**H. densiflorum, PURSH.** North America.
Syn., *H. galioides, Pursh.*
Planted, 1899.
- 1036.—**H. elatum, AIT.** North America.
Planted, 1899.
H. galioides, Pursh. = *H. densiflorum, Pursh.*
- 1037.—**H. hircinum, L.** Europe.
Planted, 1898.
- 1038.—**H. hircinum fol. variegatis.**
Planted, 1897. Tender.
- 1039.—**H. inodorum, JACQ.** Orient.
Planted, 1898.
- 1040.—**H. kalmianum, L.** Ontario, United States.
Planted, 1895. Hardy.
- 1041.—**H. moserianum, REV. HORT.** (*H. calycinum* x *H. patulum*).
Planted, 1897. Tender.
- 1042.—**H. moserianum tricolor.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 1043.—**H. patulum, THUNB.** India, China.
Planted, 1897. Winter killed. Re-planted, 1899.
- 1044.—**H. prolificum, L.** North America.
Planted, 1899.

IDESIA.

- 1045.—**I. polycarpa, MAXIM.** China and Japan.
Planted, 1895. Winter killed.

ILEX—**HOLLY.**

- 1046.—**I. crenata, THUNB.** Japan.
Planted, 1897. Tender.
- 1047.—**I. glabra, GRAY.** Inkberry. Eastern United States.
Planted, 1894. Hardy.
- 1048.—**I. monticola, A. GRAY.** Large-leaved Holly. North America.
Planted, 1897. Hardy.

ILEX—HOLLY—*Concluded.*

- 1049.—**I. opaca**, AIT. American Holly. Eastern United States.
Planted, 1897. Tender.
- 1050.—**I. rugosa**, F. SCHMIDT. Sachalin Island.
Planted, 1897. Hardy.
- 1051.—**I. Sieboldi**, MIQ. Japan.
Planted, 1896. Half hardy.
- 1052.—**I. verticillata**, GRAY. Black Alder. North America.
Planted, 1894. Hardy.
- INDIGO, FALSE. *See* AMORPHA.

INDIGOFERA.

- I. Dorea*, Bot. = *I. gerardiana*, Wall, Himalaya.
- 1053.—**I. gerardiana**, WALL. Himalaya.
Syn., *I. Dorea*, Bot.
Planted, 1897. Winter killed. Re-planted, 1899.
- IRON-WOOD. *See* OSTRYA.

ITEA.

- 1054.—**I. virginica**, L. Eastern United States.
Planted, 1897. Tender.
- IVY. *See* HEDERA.
- IVY. *See* VITIS.

JAMESIA.

- 1055.—**J. americana**, TORR & GRAY. Rocky Mountains.
Planted, 1896. Hardy.

JASMINUM.

- 1056.—**J. nudiflorum**, LINDL. China and Japan.
Planted, 1895. Winter killed.
- 1057.—**J. nudiflorum foliis aureis**.
Planted, 1895. Winter killed.
- 1058.—**J. officinale**, L. Persia and North-western India.
Planted, 1895. Winter killed.

JUGLANS—WALNUT.

- 1059.—**J. cinerea**, L. Butternut. North America.
Planted, 1889. Hardy.
- 1060.—**J. cordiformis**, MAXIM. Japan.
Planted, 1897. Tender.
- 1061.—**J. manschurica**, MAXIM. Amurland.
Planted, 1897. Tender.
- 1062.—**J. manschurica ailanthifolia**.
Planted, 1897. Half hardy.
- 1063.—**J. nigra**, L. Black Walnut. North America.
Planted, 1889. Hardy.
- 1064.—**J. regia**, L. English Walnut. Caucasus and Armenia to Himalaya.
Planted, 1897. Tender.
- 1065.—**J. regia laciniata**.
Planted, 1897. Tender.

JUGLANS—WALNUT—*Concluded.*

- 1066.—**J. regia praeparturiens**.
Planted, 1897. Tender.
- 1067.—**J. regia racemosa**.
Planted, 1897. Half hardy.
- 1068.—**J. regia serotina**.
Planted, 1897. Tender.
- 1069.—**J. rupestris**, ENGELM. Western United States.
Planted, 1899.
- 1070.—**J. sieboldiana**, MAXIM. Japanese Walnut. Japan.
Planted, 1889. Hardy.
- 1071.—**J. vilmoriniana**, CARR. (? *J. nigra* x *J. regia*). Garden origin.
Planted, 1897. Hardy.
- JUNE BERRY. *See* AMELANCHIER.

KALMIA—AMERICAN LAUREL.

- 1072.—**K. angustifolia**, L. North America.
Planted, 1896. Hardy.
- 1073.—**K. latifolia**, L. North America.
Planted, 1897. Hardy where protected.

KERRIA.

- 1074.—**K. japonica**, DC. China.
Syn., *Corchorus japonicus*, Thunb.
Planted, 1894. Tender.
- 1075.—**K. japonica flore pleno**.
Planted, 1898.
- 1076.—**K. japonica foliis variegatis**.
Planted, 1896. Winter killed. Re-planted, 1899.
- 1077.—**K. japonica ramulis aureo-vittatis**.
Planted, 1899.

KOLREUTERIA.

- 1078.—**K. bipinnata**, FRANCHET. China.
Planted, 1897. Winter killed.
- 1079.—**K. paniculata**, LAXM. China.
Planted, 1897. Half hardy.
- LABRADOR TEA. *See* LEDUM.

LABURNUM.

- 1080.—**L. Adami**, LAVALL. (*L. vulgare* x *Cytisus purpureus*).
Planted, 1897. Winter killed. Re-planted, 1899.
- 1081.—**L. alpinum**, J. S. PRESL. Europe.
Planted, 1899.
- 1082.—**L. alpinum aureum**.
Syn., *Cytisus alpinus*, Mill.
Planted, 1899.
- 1083.—**L. alpinum lucidum**.
Planted, 1896. Half hardy.
- 1084.—**L. alpinum Watereri**.
Planted, 1896. Hardy.

LABURNUM—*Concluded*,

- 1085.—**L. linneanum** x **L. v. jacquinianum**.
Planted, 1898.
L. ramentaceum, C. Koch = *Petteria ramentacea*, Presl.
- 1086.—**L. vulgare**, J. S. PRESL. Europe.
Syn., *Cytisus Laburnum*, L.
Planted, 1897. Tender.
- 1087.—**L. vulgare chrysophyllum**.
Planted, 1897. Half hardy.
- 1088.—**L. vulgare intermedium**.
Planted, 1897. Half hardy.
- 1089.—**L. vulgare jacquinianum**.
Planted, 1897. Winter killed.
- 1090.—**L. vulgare Parksi** (**L. alpinum** x **L. vulgare**).
Planted, 1897. Half hardy.
- 1091.—**L. vulgare ramentaceum**.
Planted, 1897. Half hardy.
LAUREL. See LAURUS.
LAUREL, AMERICAN. See KALMIA.
LAURESTINUS. See VIBURNUM.

LAURUS—LAUREL.

- 1092.—**L. camelliaefolia**.
Planted, 1895. Winter killed.
- 1093.—**L. caucasica**.
Planted, 1895. Winter killed.
- 1094.—**L. caucasica angustifolia**.
Planted, 1895. Winter killed.
- 1095.—**L. colchica**.
Planted, 1895. Winter killed.
- 1096.—**L. latifolia**, BERTIN.
Planted, 1895. Winter killed.
- 1097.—**L. laurocerasus**.
Planted, 1895. Winter killed.
- 1098.—**L. lusitanica**.
Planted, 1895. Winter killed.
- 1099.—**L. nobilis**, L. Mediterranean region.
Planted, 1895. Winter killed.
- 1100.—**L. rotundifolia**.
Planted, 1895. Winter killed.
LEATHERWOOD. See DIRCA.

LEDUM—LABRADOR TEA.

- 1101.—**L. glandulosum**, NUTT. California, British Columbia, and Northern Rocky Mountains.
Planted, 1896. Winter killed.
- 1102.—**L. latifolium**, AIT. North America.
Planted, 1899.
LEMBOTROPIS. See CYTISUS.

LESPEDEZA.

- 1103.—**L. bicolor**, TURCZ. China and Japan.
Planted, 1896. Tender.
- 1104.—**L. bicolor intermedia**.
Planted, 1896. Tender.

LESPEDEZA—*Concluded*.

- 1105.—**L. cyrtobotrya**, MIQ. Japan.
Planted, 1899.
- 1106.—**L. Sieboldi**, MIQ. North China and Japan.
Syn., *Desmodium japonicum*, Hort. ; *D. penduliflorum*, Oudem.
Planted, 1897. Tender.

LEUCOTHOE.

- 1107.—**L. racemosa**, A. GRAY. North America.
Planted, 1896. Tender.

LEYCESTERIA.

- 1108.—**L. formosa**, WALL. Temperate Himalaya.
Planted, 1899.

LIGUSTRUM—PRIVET.

- 1109.—**L. amurense**, CARR. Amur Privet. Amur region.
Planted, 1895. Hardy.
- 1110.—**L. atrovirens**, HORT.
Planted, 1897. Half hardy.
L. brachystachium, Decne. = *L. Quihoui*, Carr.
L. californicum, Hort. = *L. ovalifolium*, Hassk.
- 1111.—**L. coriaceum**, CARR. China.
Planted, 1895. Winter killed.
- 1112.—**L. Ibota**, SIEB. China, Japan and Sachalin.
Syn., *L. obtusifolium*, Sieb. & Zucc. ; *L. regelianum*, Hort.
Planted, 1895. Hardy.
- 1113.—**L. Ibota ciliatum**.
Planted, 1897. Hardy.
- 1114.—**L. japonicum**, THUNB. China, Japan.
Planted, 1895. Winter killed.
- 1115.—**L. japonicum longifolium**.
Planted, 1895. Winter killed.
- 1116.—**L. japonicum macrophyllum**.
Planted, 1895. Winter killed.
- 1117.—**L. japonicum tricolor**.
Planted, 1895. Winter killed.
- 1118.—**L. lucidum**, AIT. China.
Planted, 1896. Half hardy.
- 1119.—**L. medium**, FRANCH. & SAV. Japan.
Planted, 1896. Half hardy.
L. obtusifolium, Sieb. & Zucc. = *L. Ibota*, Sieb.
- 1120.—**L. ovalifolium**, HASSK. California Privet. Japan.
Syn., *L. californicum*, Hort.
Planted, 1896. Tender.
- 1121.—**L. ovalifolium fol. aureis variegatis**.
Planted, 1897. Tender.
- 1122.—**L. Pallasii**.
Planted, 1893. Hardy.

LIGUSTRUM—PRIVET—*Concluded.*

- 1123.—**L. Quihoui**, CARR. China.
Syn., *L. brachystachium*, Decne.
 Planted, 1896. Hardy.
L. regelianum, Hort. = *L. Ibota*, Sieb.
- 1124.—**L. sinense**, LOUR. China.
Syn., *L. Stauntoni*, DC.
 Planted, 1897. Half hardy.
- 1125.—**L. vulgare**, L. Common Privet. Europe,
 North Africa.
 Planted, 1891. Half hardy.
- 1126.—**L. vulgare fol. albo-punctatis**.
 Planted, 1897. Hardy.
- 1127.—**L. vulgare fol. aureis variegatis**.
 Planted, 1896. Half hardy.
- 1128.—**L. vulgare foliosum**.
 Planted, 1897. Hardy.
- 1129.—**L. vulgare glaucum fol. albo margin-**
atis.
 Planted, 1897. Hardy.
- 1130.—**L. vulgare glaucum marginatum**.
 Planted, 1897. Half hardy.
- 1131.—**L. vulgare fructu luteo**.
 Planted, 1897. Hardy.
- 1132.—**L. vulgare italicum**.
 Planted, 1897. Hardy.
- 1133.—**L. vulgare latifolium fol. aureo-macu-**
latis.
 Planted, 1897. Hardy.
- 1134.—**L. vulgare pendulum**.
 Planted, 1895. Half hardy.
- 1135.—**L. vulgare pyramidale**.
 Planted, 1897. Hardy.
- LILAC. See SYRINGA.
 LIMONIA. See ÆGLE.
 LINDEN. See TILIA.

LINDERA—WILD ALLSPICE.

- 1136.—**L. Benzoin**, BLUME. Spice bush. Canada,
 (common in Western Ontario), United
 States.
 Planted, 1894. Winter killed. Re-planted,
 1899.

LIQUIDAMBAR.

- 1137.—**L. styraciflua**, L. United States.
 Planted, 1893. Winter killed.

LIRIODENDRON—TULIP TREE.

- 1138.—**L. tulipifera**, L. Western Ontario,
 United States.
 Planted, 1896. Tender.
- 1139.—**L. tulipifera integrifolia**.
 Planted, 1897. Tender.
- 1140.—**L. tulipifera variegata**.
 Planted, 1895. Winter killed.
 LOCUST TREE. See ROBINIA.

LONICERA—HONEYSUCKLE.

- 1141.—**L. Alberti**, REGEL. Albert Regel's Honey
 suckle. Eastern Turkestan, Siberia.
 Planted, 1894. Hardy.
L. americana, C. Koch = *L. Caprifolium*, L.
- 1142.—**L. bella**, ZABEL (**L. Morrowi** x **L.**
tatarica) var. **albida**.
 Planted, 1896. Hardy.
- 1143.—**L. bella atrorosea**.
 Planted, 1896. Hardy.
- 1144.—**L. bella candida**.
 Planted, 1896. Hardy.
- 1145.—**L. bella incarnata**.
 Planted, 1896. Hardy.
- 1146.—**L. bella rosea**.
 Planted, 1896. Hardy.
L. brachypoda, DC. = *L. japonica flexuosa*.
- 1147.—**L. caerulea**, L. Mountain Fly-Honey-
 suckle. Northern hemisphere.
 Planted, 1899.
- 1148.—**L. caerulea graciliflora**.
 Planted, 1899.
- 1149.—**L. caerulea Kirilowi**.
 Planted, 1896. Hardy.
- 1150.—**L. caerulea praecox**.
 Planted, 1896. Hardy.
- 1151.—**L. caerulescens**, DIPPEL. Origin uncer-
 tain.
 Planted, 1896. Hardy.
- 1152.—**L. caerulescens grandiflora**.
 Planted, 1898.
- 1153.—**L. Caprifolium**, L. Italian Honeysuckle.
 Central and S. Europe, W. Asia.
Syn., *L. americana*, C. Koch; *L. grave-*
Ait.
 Planted, 1898.
- 1154.—**L. Caprifolium praecox**.
 Planted, 1896. Hardy.
- 1155.—**L. Caprifolium quercifolia fol. varie-**
gatis.
 Planted, 1896. Hardy.
- 1156.—**L. chrysantha**, TURCZ. Amurland.
 Planted, 1890. Hardy.
- 1157.—**L. ciliata**, MUHLENB. Fly-Honeysuckle
 Canada, Eastern United States.
 Planted, 1898. Hardy.
L. coccinea, Pers. = *L. sempervirens*, Ait.
- 1158.—**L. depressa**, ROYLE. Alpine Himalaya.
Syn., *L. parvifolia*, Edgew.
 Planted, 1896. Hardy.
L. discolor, Hort. = *L. orientalis*, Lam.
L. diversifolia, Wall. = *L. quinquelocularis*,
 Hardw.
L. Douglasii, Hort. = *L. hirsuta*, Eaton.
- 1159.—**L. etrusca**, SANTI. South Europe.
Syn., *L. gigantea*, Hort.
 Planted, 1899.

LONICERA—HONEYSUCKLE—Continued.

- 1160.—**L. etrusca superba.**
Planted, 1899.
- 1161.—**L. flava**, SIMS. Yellow-flowered Climbing Honeysuckle. South Carolina.
Syn., *L. Fraseri*, POIT.
Planted, 1894. Hardy.
- 1162.—**L. flava nova.**
Planted, 1895. Tender.
- 1163.—**L. flavescens**, DIPPEL. British Columbia.
Planted, 1895. Hardy.
- 1164.—**L. fragrantissima**, LINDL. & PAXT. Fragrant Bush Honeysuckle. China.
Planted, 1899.
L. Fraseri, POIT. = *L. flava*, SIMS.
L. fuchsoides, HORT. = *L. sempervirens fuchsoides*.
L. germanica, F. G. DIETR. = *L. Periclymenum*, L.
L. gigantea, HORT. = *L. etrusca*, SANTI.
- 1165.—**L. glauca**, HILL. Glaucous-leaved Climbing Honeysuckle. United States.
Syn., *L. media*, MURR.
Planted, 1899.
- 1166.—**L. glauca prolifica.**
Planted, 1896. Hardy.
- 1167.—**L. gracilipes**, MIQ. Japan.
Planted, 1897. Hardy.
L. grata, AIT. = *L. Caprifolium*, L.
L. halliana, HORT. = *L. japonica halliana*.
- 1168.—**L. hirsuta**, EATON. Hairy Honeysuckle. Canada, United States.
Planted, 1896. Hardy.
- 1169.—**L. hispida**, PALL. Central Asia, Siberia.
Planted, 1896. Hardy.
- 1170.—**L. iberica**, BIEB. Caucasus.
Planted, 1896. Hardy.
- 1171.—**L. involucrata**, BANKS. N. W. America.
Syn., *L. Ledebourii*, ESCHSCH.
Planted, 1896. Hardy.
- 1172.—**L. japonica**, THUNB. Japanese Climbing Honeysuckle. China and Japan.
Planted, 1894. Hardy. This is probably not correctly named as grown here.
- 1173.—**L. japonica aureo-reticulata.**
Planted, 1896. Winter killed. Re-planted, 1898.
- 1174.—**L. japonica flexuosa.**
Syn., *L. brachypoda*, DC.
Planted, 1897. Tender.
- 1175.—**L. japonica halliana.**
Syn., *L. halliana*, HORT.; *L. japonica Hallii*.
Planted, 1897. Winter killed.
- 1176.—**L. Karelini**, BUNGE. Central Asia.
Planted, 1895. Hardy.
L. Ledebourii, ESCHSCH. = *L. involucrata*, BANKS.

LONICERA—HONEYSUCKLE—Continued.

- 1177.—**L. lenta.**
Planted, 1896. Hardy.
- 1178.—**L. Maacki**, HERB. Mandshuria.
Planted, 1896. Hardy.
- 1179.—**L. Maximowiczii**, MAXIM. Amurland.
Planted, 1895. Hardy.
L. media, MURR. = *L. glauca*, HILL.
- 1180.—**L. micrantha**, TRAUTV. Turkestan.
Planted, 1896. Hardy.
- 1181.—**L. minutiflora**, ZABEL. (*L. micrantha* x *L. Morrowi*).
Planted, 1896. Hardy.
- 1182.—**L. Morrowi**, A. GRAY. Japan.
Planted, 1895. Hardy.
- 1183.—**L. mundeniensis**, REHDER. (*L. bella* x *L. gibbiflora*).
Planted, 1896. Hardy.
L. Myrtillus, HOOK. f. THOMS. = *L. depressa Myrtillus*.
L. nana = *L. tatarica nana*.
- 1184.—**L. notha alba.**
Planted, 1896. Hardy.
- 1185.—**L. notha carnea.**
Planted, 1896. Hardy.
- 1186.—**L. notha carneo-rosea.**
Planted, 1896. Hardy.
- 1187.—**L. notha gilva.**
Planted, 1896. Hardy.
- 1188.—**L. notha grandiflora.**
Planted, 1896. Hardy.
- 1189.—**L. nummulariifolia**, JAUB. & SPACH.
Planted, 1897. Winter killed. Re-planted, 1899.
- 1190.—**L. oblongifolia**, HOOK. North America.
Planted, 1890. Hardy. *L. occidentalis plantierensis* = *L. sempervirens plantierensis*.
- 1191.—**L. orientalis**, LAM. Orient.
Syn., *L. discolor*, HORT.
Planted, 1896. Hardy.
- 1192.—**L. orientalis f. ex China**, DIPP.
Planted, 1897. Hardy.
- 1193.—**L. orientalis f. ex India**, DIPP.
Planted, 1898.
- 1194.—**L. orientalis kamtschatica.**
Planted, 1896. Hardy.
- 1195.—**L. orientalis Louis Leroy.**
Planted, 1895. Hardy.
L. parvifolia, EDGEW. = *L. depressa*, ROYLE.
- 1196.—**L. Periclymenum**, L. SYME. Wood-bine. English Honeysuckle. Europe.
Planted, 1891. Tender.
- 1197.—**L. Periclymenum quercifolia.**
Syn., *L. verna variegata*.
Planted, 1896. Tender. Winter killed, 1898. Re-planted, 1899.

LONICERA—HONEYSUCKLE—Continued.

- 1198.—**L. Periclymenum serotina**
Planted, 1899.
- 1199.—**L. Phylomelae**, CARR. Origin uncertain.
Planted, 1897. Hardy.
- 1200.—**L. punicea**.
Planted, 1895. Half hardy.
- 1201.—**L. pyrenaica**, L. Pyrenees.
Planted, 1899.
- 1202.—**L. quinquelocularis**, HARDW. Temperate Himalaya.
Syn., *L. diversifolia*, Wall.
Planted, 1897. Hardy.
- 1203.—**L. regeliana**, PETZ. & KIRCHN. Amur-land.
Planted, 1895. Hardy.
- 1204.—**L. rupicola**, HOOK. F. & THOMS. Himalaya.
Planted, 1896. Hardy.
- 1205.—**L. ruprechtiana**, REGEL. Mandshuria.
Planted, 1896. Hardy.
- 1206.—**L. ruprechtiana salicifolia**.
Planted, 1899.
- 1207.—**L. salicifolia**, ZABEL. (**L. micrantha** x **L. ruprechtiana**).
Planted, 1896. Hardy.
- 1208.—**L. segregiensis**, LAVALLÉE. Origin uncertain.
Planted, 1897. Hardy.
- 1209.—**L. sempervirens**, AIT. Scarlet Trumpet Honeysuckle. North America.
Planted, 1890. Hardy.
- 1210.—**L. sempervirens plantierensis**.
Syn., *L. occidentalis plantierensis*.
Planted, 1899.
- 1211.—**L. sibirica**.
Planted, 1897. Hardy.
- 1212.—**L. sinensis**.
Planted, 1897.
- 1213.—**L. Standishii**, HOOK. China.
Planted, 1899.
- 1214.—**L. Sullivantii**, A. GRAY. Canada, North-eastern United States.
Planted, 1895. Hardy.
- 1215.—**L. tatarica**, L. Tartarian or Bush Honeysuckle. Siberia.
Planted, 1896. Hardy.
L. tatarica alba = *L. tatarica flore albo*.
- 1216.—**L. tatarica alba grandiflora**.
Planted, 1896. Hardy.
- 1217.—**L. tatarica alba rosea**.
Planted, 1896. Hardy.
- 1218.—**L. tatarica angustata**.
Planted, 1896. Hardy.
- 1219.—**L. tatarica discolor**.
Planted, 1898.
- 1220.—**L. tatarica elegans**.
Planted, 1891. Hardy.

LONICERA—HONEYSUCKLE—Concluded.

- 1221.—**L. tatarica flore albo**.
Syn., *L. tatarica alba*.
Planted, 1896. Hardy.
- 1222.—**L. tatarica flore roseo**.
Planted, 1896. Hardy.
- 1223.—**L. tatarica flore rubro**.
Planted, 1896. Hardy.
- 1224.—**L. tatarica fructu luteo**.
Planted, 1896. Hardy.
- 1225.—**L. tatarica gracilis**.
Planted, 1896. Hardy.
- 1226.—**L. tatarica grandiflora rubra**.
Planted, 1894. Hardy.
- 1227.—**L. tatarica Hoveyi**.
Planted, 1891. Hardy.
- 1228.—**L. tatarica Louis Leroy**.
Planted, 1896. Hardy.
- 1229.—**L. tatarica nana**.
Syn., *L. nana*.
Planted, 1896. Hardy.
- 1230.—**L. tatarica pulcherrima**.
Planted, 1897. Hardy.
- 1231.—**L. tatarica rosea floribunda**.
Planted, 1896. Hardy.
- 1232.—**L. tatarica splendens**.
Planted, 1896. Hardy.
- 1233.—**L. tatarica virginialis grandiflora**.
Planted, 1896. Partly killed, but probably hardy.
- 1234.—**L. translucens**, CARR. Origin uncertain.
Planted, 1899.
- 1235.—**L. Xylosteum**, L. Upright Fly-Honeysuckle. Europe, Northern Asia.
Planted, 1896. Hardy.
L. verna variegata = *L. Periclymenum quercifolia*.

LYCIUM—MATRIMONY VINE.

- 1236.—**L. barbarum**, L. North Africa.
Planted, 1896. Half hardy.
- 1237.—**L. barbarum fol. aureo-variegatis**.
Planted, 1897. Hardy.
- 1238.—**L. chinense**, MILL. China.
Syn., *L. trevianum*, Roem. & Schult.
Planted, 1896. Half hardy.
- 1239.—**L. chinense macrocarpum**.
Planted, 1896. Hardy.
- 1240.—**L. europaeum**, L. Matrimony Vine. Mediterranean region.
Planted, 1896. Half hardy.
- 1241.—**L. rhombifolium**, DIPP. China.
Planted, 1896. Hardy.
L. trevianum, Roem. & Schult. = *L. chinense*, Mill.

LYONIA.

- 1242.—**L. paniculata**, NUTT. North America.
Syn., *Andromeda ligustrina*, Muhl.
 Planted, 1896. Hardy.
MAACKIA. See CLADRASTIS.

MACLURA—OSAGE ORANGE.

- 1243.—**M. aurantiaca**, NUTT. Osage Orange.
 South United States.
 Planted, 1896. Winter killed.

MAGNOLIA.

- 1244.—**M. acuminata**, L. United States.
 Planted, 1897. Tender. Some half hardy.
 1245.—**M. hypoleuca**, SIEB. & ZUCC. Japan.
 Planted, 1896. Winter killed.
 1246.—**M. Kobus**, DC. Japan.
 Planted, 1896. Winter killed.
 1247.—**M. parviflora**, SIEB. & ZUCC. Japan.
 Planted, 1896. Winter killed.
 1248.—**M. stellata**, MAXIM. Japan.
 Planted, 1896. Tender.
 1249.—**M. tripetala**, L. United States.
Syn., *M. Umbrella*, Lam.
 Planted, 1896. Tender.
M. Umbrella, Lam. = *M. tripetala*, L.

MAHONIA. See BERBERIS.

MAPLE. See ACER.

MATRIMONY VINE. See LYCIUM.

MEADOW-SWEET. See SPIRÆA.

MEDLAR. See PYRUS.

MENISPERMUM—MOONSEED.

- 1250.—**M. canadense**, L. Canadian Moonseed.
 North America.
 Planted, 1898. Hardy in vicinity of
 Ottawa.
 1251.—**M. dauricum**, DC. Siberia, China and
 Japan.
Syn., *M. dahuricum*, Maxim.
 Planted, 1895. Tender.
M. dahuricum, Maxim. = *M. dauricum*,
 DC.
MESPILUS. See PYRUS.
MILLETTIA. See WISTARIA.

MICROGLOSSA.

- 1252.—**M. albescens**. C. B. CLARKE.
 Himalaya.
Syn., *Amphiraphis albescens*, DC.
 Planted, 1899.
MOOSE-WOOD. See DIRCA.
MOONSEED. See MENISPERMUM.

MORUS—MULBERRY.

- 1253.—**M. alba**, L. Temperate and subtropical
 Asia.
 Planted, 1893. Hardy.

MORUS—MULBERRY—*Concluded.*

- 1254.—**M. alba Colombassa.**
 Planted, 1896. Half hardy.
 1255.—**M. alba macrophylla.**
Syn., *M. morettiana*, Jacq.
 Planted, 1896. Hardy.
 1256.—**M. alba membranacea.**
 Planted, 1899.
 1257.—**M. alba multicaulis.**
 Planted, 1899.
 1258.—**M. alba pendula.**
 Planted, 1895. Hardy.
 1259.—**M. alba rosea.**
Syn., *M. rosea.*
 Planted, 1896. Hardy.
 1260.—**M. alba stylosa.**
Syn., *M. japonica*, Audib.
 Planted, 1894. Winter killed.
 1261.—**M. alba stylosa Downing's Everbearing.**
 Planted, 1896. Tender.
 1262.—**M. alba tatarica.**
Syn., *M. tatarica*, Linn.
 Planted, 1890. Hardy.
 1263.—**M. alba Tea's Weeping.**
 Planted, 1897. Hardy.
 1264.—**M. alba urticaefolia.**
 Planted, 1896. Hardy.*
 1265.—**M. Cedrona**, HORT.
 Planted, 1896. Hardy.
 1266.—**M. globosa**, ROTHE.
 Planted, 1899.
 1267.—**M. intermedia**, HORT.
 Planted, 1898.
M. japonica, Audib. = *M. alba stylosa.*
M. morettiana, Jacq. = *M. alba macro-*
phylla.
 1268.—**M. nigra**, L. Native country unknown.
 Planted, 1896. Hardy.
M. rosea = *M. alba rosea.*
M. tatarica, L. = *M. alba tatarica.*
MOCK ORANGE. See PHILADELPHUS.
MOUNTAIN ASH. See PYRUS.
MOUNTAIN HOLLY. See NEMOPANTHUS.
MULBERRY. See MORUS.
MULBERRY, PAPER. See BROUSSONETIA.

MYRICA—BAYBERRY.

- 1269.—**M. asplenifolia**, L. Sweet Fern. North
 America.
Syn., *Comptonia asplenifolia*, Banks.
 Planted, 1894. Hardy.
 1270.—**M. cerifera**, L. Bayberry. United
 States.
 Planted, 1896. Half hardy.
 1271.—**M. Gale**, L. Sweet Gale. Northern
 Hemisphere.
 Planted, 1899.

MYRICA—BAYBERRY—*Concluded.*

- 1272.—**M. Gale tomentosa.**
Planted, 1896. Hardy.
- 1273.—**M. rubra.**
Planted, 1897. Winter killed.

MYRICARIA.

- 1274.—**M. davurica,** EHRENB. Siberia.
Planted, 1896. Tender.
- 1275.—**M. germanica,** DESV. Europe.
Planted, 1896. Half hardy.
Negundo aceroides, Moench = Acer Ne-
gundo, L.

NEILLIA—NINEBARK.

- 1276.—**N. amurensis,** BENTH & HOOK. Amur-
land.
Syn., Spirea amurensis, Maxim.
Planted, 1889. Hardy.
- 1277.—**N. opulifolia,** BENTH & HOOK. Ninebark.
North America.
Syn., Spirea opulifolia, L.
Planted, 1889. Hardy.
- 1278.—**N. opulifolia aurea.** Golden-leaved Nine-
bark.
Planted, 1889. Hardy.
- 1279.—**N. opulifolia nana.** Dwarf Ninebark.
Planted, 1898.
- 1280.—**N. thyrsoiflora,** DON. Himalaya.
Planted, 1899.
- 1281.—**N. Torreyi,** WATSON. California.
Syn., Spirea monogyna, Torr.
Planted, 1895. Hardy.

NEMOPANTHUS—MOUNTAIN HOLLY.

- 1282.—**N. canadensis,** DC. Canada, United
States.
Planted, 1896. Hardy.

NEVIUSIA.

- 1283.—**N. alabamensis,** GRAY. Alabama.
Planted, 1897. Half hardy.
NEW JERSEY TEA. *See* CRANOTHUS.
NIGHTSHADE. *See* SOLANUM.
NINEBARK. *See* NEILLIA.

NUTTALLIA.

- 1284.—**N. cerasiformis,** TORR & GRAY. Cali-
fornia.
Planted, 1896. Winter killed. Re-planted,
1899.

NYSSA—PEPPERIDGE—SOUR GUM.

- N. multiflora, Wangenh = N. sylvatica,*
Marsh.
- 1285.—**N. sylvatica,** MARSH. South-western
Ontario, United States.
Syn., N. multiflora, Wangenh.
Planted, 1897. Half hardy.
OAK. *See* QUERCUS.
OLIVE. *See* ELAEAGNUS.

ONONIS.

- 1286.—**O. Natrix,** L. Europe.
Planted, 1899.
- 1287.—**O. rotundifolia,** L. South Europe.
Planted, 1899.
ORIXA. *See* CELASTRUS.
OSAGE ORANGE. *See* MACLURA.

OSMANTHUS.

- 1288.—**O. Aquifolium,** SIEBOLD. Japan.
Planted, 1895. Winter killed.
- 1289.—**O. marginata alba.**
Planted, 1895. Winter killed.
- 1290.—**O. marginata aurea.**
Planted, 1895. Winter killed.

OSTRYA—HOP HORNBEEAM—IRON-WOOD.

- 1291.—**O. carpinifolia,** SCOP. Southern Europe,
Orient.
Planted, 1898.
- 1292.—**O. virginica,** WILLD. American Hop
Hornbeam. Iron-wood. North America.
Planted, 1898. Hardy.

OSTRYOPSIS.

- 1293.—**O. davidiana,** DECNE. China.
Planted, 1898.

OXYDENDRON—SORREL-TREE—SOUR-WOOD.

- 1294.—**O. arboreum,** DC. North America.
Syn., Andromeda arborea, L.
Planted, 1897. Hardy.

PACHYSANDRA.

- 1295.—**P. terminalis,** SIEB. & ZUCC. Japan.
Planted, 1896. Hardy.
- 1296.—**P. terminalis fol. variegatis.**
Planted, 1899.

PACHYSTIMA.

- 1297.—**P. Myrsinites,** RAFIN. Western North
America.
Planted, 1899.

PAEONIA.

- 1298.—**P. Moutan,** SIMS. China.
Planted, 1894. Tender.

PALIURUS—CHRIST THORN.

- P. aculeatus, Lam. = P. australis, Gaertn.*
- 1299.—**P. australis,** GAERTN. South Europe.
Syn., P. aculeatus, Lam.
Planted, 1898. Tender.
Panax sessiliflorum, Rupr. & Max. = Acan-
thopanax sessiliflorum Seem.
PAPAW, NORTH AMERICAN. *See* ASIMINA.

PARROTIA.

- 1300.—*P. persica*, C. A. MEYER. Persia.
Planted, 1898.
Parthenocissus tricuspidata, Planch = *Vitis inconstans* Miq.

PAULOWNIA.

- 1301.—*P. imperialis*, SIEB. & ZUCC. Japan.
Planted, 1894. Winter killed.
PAVIA. See *ÆSCULUS*.
PEACH. See *PRUNUS*.
PEAR. See *PYRUS*.
PEA-TREE, SIBERIAN. See *CARAGANA*.

PENTSTEMON.

- 1302.—*P. Menziesii* Scouleri.
Planted, 1899.
PEPPERIDGE. See *NYSSA*.
PEPPERBUSH, SWEET. See *CLETHRA*.

PERIPLOCA.

- 1303.—*P. graeca*, L. South-Eastern Europe,
Orient.
Planted, 1899. Half hardy on grounds.
PERSIMMON. See *DIOSPYROS*.

PETTERIA.

- 1304.—*P. ramentacea*, PRESL. Eastern Europe.
Syns., *Cytisus ramentaceus*, Sieb.; *Laburnum ramentaceum*, C. Koch.
Planted, 1897. Winter killed.

PHILADELPHUS—MOCK ORANGE—SYRINGA.

- P. columbianus*, Hort. = *P. gordonianus*, Lindl.
- 1305.—*P. cordifolius*, LANGE. Origin uncertain.
Planted, 1889. Half hardy.
- 1306.—*P. coronarius*, L. Mock Orange. Asia.
Planted, 1889. Hardy.
- 1307.—*P. coronarius flore pleno*. Double flowering Mock Orange.
Planted, 1894. Hardy.
- 1308.—*P. coronarius foliis aureis*. Golden-leaved Mock Orange.
Planted, 1894. Hardy.
P. coronarius microphyllus = *P. hybridus Lemoinei*.
- 1309.—*P. coronarius nanus*. Dwarf Mock Orange.
Syn., *P. nanus*, Mill.
Planted, 1889. Hardy.
- 1310.—*P. coronarius primulaeflorus*.
Planted, 1894. Hardy.
- 1311.—*P. coronarius rosaeflorus plenus*.
Planted, 1896. Half hardy.
- 1312.—*P. coronarius salicifolius*.
Planted, 1896. Hardy.
- PHILADELPHUS**—Continued.
- 1313.—*P. coronarius semi-plenus*.
Planted, 1897. Half hardy.
- 1314.—*P. coronarius tenuifolius*.
Syn., *P. tenuifolius*, Rupr.
Planted, 1897. Hardy.
- 1315.—*P. coronarius tomentosus*.
Syn., *P. tomentosus*, Wall.
Planted, 1898.
P. coronarius Zeyheri = *P. grandiflorus floribundus*.
- 1316.—*P. deutziaeflorus*.
Planted, 1896. Half hardy.
- 1317.—*P. dianthiflorus plenus*.
Planted, 1894. Hardy.
- 1318.—*P. Falconeri*, HORT. Origin uncertain.
Planted, 1899.
P. Godohokeri, Hort. = *P. hirsutus*, Nutt.
- 1319.—*P. gordonianus*, LINDL. Western United States. British Columbia.
Planted, 1893. Hardy.
- 1320.—*P. gordonianus monstrosus*.
Planted, 1898.
P. gracilis, Lodd. = *P. hirsutus*, Nutt.
- 1321.—*P. grandiflorus*, WILLD. Large-flowered Syringe. Southern United States.
Planted, 1893. Hardy.
- 1322.—*P. grandiflorus flore pleno*.
Planted, 1899.
- 1323.—*P. grandiflorus floribundus*.
Syns., *P. Zeyheri*, Schrad; *P. latifolius*, Schrad.
Planted, 1896. Hardy.
- 1324.—*P. grandiflora floribundus mexicanus*.
Planted, 1898.
- 1325.—*P. grandiflorus floribundus sanguineus*.
Syn., *P. latifolius sanguineus*.
Planted, 1897. Hardy.
- 1326.—*P. grandiflorus floribundus verrucosus*.
Syn., *P. latifolius verrucosus*.
Planted, 1896. Hardy.
- 1327.—*P. grandiflorus laxus*.
Syn., *P. pubescens*, Lodd.
Planted, 1893. Hardy.
- 1328.—*P. hirsutus*, NUTT. Oregon.
Syns., *P. Godohokeri*, Hort; *P. gracilis*, Lodd.
Planted, 1897. Hardy.
- 1329.—*P. hybridus Lemoinei*.
Syn., *P. coronarius microphyllus*.
Planted, 1898.
- 1330.—*P. hybridus Lemoinei Avalanche*.
Planted, 1899.
- 1331.—*P. hybridus Lemoinei Boule d'Argent*.
Planted, 1895. Winter killed. Re-planted, 1899.
- 1332.—*P. hybridus Lemoinei Candélabre*.
Planted, 1895. Hardy.

PHILADELPHUS—Continued.

- 1333.—**P. hybridus Lemoinei erectus.**
Planted, 1895. Hardy.
- 1334.—**P. hybridus Lemoinei Gerbe de Neige.**
Planted, 1895. Winter killed.
- 1335.—**P. hybrida Lemoinei Mont Blanc.**
Planted, 1899.
- 1336.—**P. hybrida Lemoinei Pavillon Blanc.**
Planted, 1899.
P. ignea, Hort. = *P. grandiflorus laxus*.
P. inodorus, Michx. = *P. grandiflorus*, Willd.
- 1337.—**P. inodorus speciosus grandiflorus.**
Planted, 1896. Hardy.
- 1338.—**P. Keteleerii flore pleno.**
Planted, 1898.
P. latifolius, Schrad. = *P. grandiflorus floribundus*.
- 1339.—**P. Lewisii**, PURSH. Western North America.
Planted, 1895. Hardy.
- 1340.—**P. Lewisii californica.**
Syn., *P. nivalis*, Hort.
Planted, 1893. Hardy.
- 1341.—**P. microphyllus**, A. GRAY. North America.
Planted, 1893. Hardy.
1342. **P. multiflorus plenus.**
Planted, 1899.
P. nanus, Mill. = *P. coronarius nanus*.
P. nivalis, Hort. = *P. Lewisii californicus*.
- 1343.—**P. nivalis spectabilis plenus.** HORT.
Planted, 1898.
- 1344.—**P. pekinensis**, RUPR. China.
Planted, 1897. Half hardy.
- 1345.—**P. pendulifolius**, HORT.
Planted, 1896. Hardy.
P. pubescens, Lodd. = *P. grandiflorus laxus*.
- 1346.—**P. pubescens rafinesquianus.**
Planted, 1899.
P. rosaeiflorus plenus = *P. coronarius rosaeiflorus plenus*.
- 1347.—**P. Satsumi**, SIEBOLD. Japan.
Syns., *P. Schrenkii*, Rupr.; *P. Yokohama*, Sieb.
Planted, 1896. Hardy.
- 1348.—**P. Satsumi acuminata.**
Planted, 1896. Hardy.
P. Schrenkii, Rupr. = *P. Satsumi*, Sieb.
- 1349.—**P. speciosus.**
Planted, 1893. Hardy.
- 1350.—**P. spec. Von den Gebirgen Pekings.**
Planted, 1896. Hardy.

PHILADELPHUS—Concluded.

- 1351.—**P. —? Souvenir de Billard.**
Planted, 1896. Half hardy.
P. tenuifolius, Rupr. = *P. coronarius tenuifolius*.
P. tomentosus, Wall. = *P. coronarius tomentosus*.
P. Yokohama, Sieb. = *P. Satsumi*, Sieb.
P. Zeyheri, Schrad. = *P. grandiflorus floribundus*, Torr & Gray.

PHILLYRAEA.

- 1352.—**P. angustifolia**, L. Mediterranean region
Syn., *Filaria angustifolia*.
Planted, 1895. Winter killed.
- 1353.—**P. decora**, BOISS & BAL. Lazistan.
Syn., *P. laurifolia*, Hort.; *P. vilmoriniana*, Hort.
Planted, 1899.
P. laurifolia, Hort. = *P. decora*, Boiss. & Bal.
P. vilmoriniana, Hort. = *P. decora*, Boiss. & Bal.

PHOTINIA.

- 1354.—**P. glabra**, DECNE. Japan.
Planted, 1897. Winter killed.
- 1355.—**P. variabilis**, HEMS. China and Japan.
Syns., *P. villosa*, DC.; *P. villosa*, Thunb.; *P. villosa*, Decne.
Planted, 1896. Tender.
- 1356.—**P. variabilis arguta.**
Planted, 1899.
- 1357.—**P. variabilis laevis.**
Planted, 1899.
P. villosa, DC., Thunb., Decne. = *P. variabilis*, Hemsl.

PHYLLOSTACHYS.

- 1358.—**P. bambusoides**, SIEB. & ZUCC. Japan.
Planted, 1895. Tender.

PIERIS.

- 1359.—**P. japonica**, D. DON.
Syn., *Andromeda japonica*, Thunb.
Planted, 1897. Winter killed.
- 1360.—**P. japonica fol. albo-marginatis.**
Syn., *Andromeda japonica fol. albo-marginatis*.
Planted, 1897. Winter killed.
PLANERA. See ZELKOWA.

PLATANUS—PLANE-TREE—BUTTONWOOD.

- 1361.—**P. acerifolia**, WILLD. Orient.
Syn., *P. californica*, Hort.
Planted, 1896. Tender.
P. californica, Hort. = *P. acerifolia*, Willd.

PLATANUS—*Concluded.*

- 1362.—**P. cuneata**, WILLD. Orient.
Planted, 1899.
- 1363.—**P. hispanica integrifolia**, HORT.
Planted, 1896. Half hardy.
- 1364.—**P. occidentalis**, L. American Plane or
Sycamore. Western Ontario, United
States.
Planted, 1893. Hardy.
- 1365.—**P. occidentalis fol. argenteis variegatis**.
Planted, 1897. Tender.
- 1366.—**P. occidentalis superba**.
Planted, 1896. Tender.
- 1367.—**P. orientalis**, L. Oriental Plane Tree.
Orient.
Planted, 1893. Half hardy.
- 1368.—**P. orientalis acerifolia**.
Planted, 1896. Tender.
- 1369.—**P. orientalis vitifolia**.
Planted, 1896. Tender.
- 1370.—**P. pyramidalis**, HORT.
Planted, 1896. Tender.
PLUM. *See* PRUNUS.

POLYGONUM.

- 1371.—**P. baldschuanicum**, REGEL. Bokhara.
Planted, 1899.

POPULUS—POPLAR.

- 1372.—**P. alba**, L. White or Silver Poplar.
Europe, N. Africa, N. and W. Asia.
Planted, 1890. Hardy.
P. alba bolleana = *P. alba pyramidalis*.
- 1373.—**P. alba globosa**.
Planted, 1896. Hardy.
- 1374.—**P. alba nivea**.
Planted, 1896. Hardy.
- 1375.—**P. alba nivea aureo-intertexta**.
Planted, 1896. Hardy.
- 1376.—**P. alba pyramidalis**. Pyramidal Silver
Poplar.
Syns., *P. alba bolleana*; *P. bolleana*, *Lanche*.
Planted, 1890. Hardy.
P. angulata, *Ait.* = *P. deltoidea*, *Marsh*.
- 1377.—**P. angustifolia**, JAMES. North America.
Planted, 1890. Hardy.
- 1378.—**P. balsamifera**, L. Balsam Poplar. North
America.
Planted, 1890. Hardy.
- 1379.—**P. balsamifera candicans**.
Syn., *P. candicans*, *Ait.*
Planted, 1896. One-third killed, but
probably hardy.
- 1380.—**P. balsamifera elongata**.
Planted, 1896. Hardy.
- 1381.—**P. balsamifera intermedia**.
Syn., *P. sibirica pyramidalis*.
Planted, 1890. Hardy.
P. balsamifera suaveolens = *P. suaveolens*,
Fisch.

POPULUS—POPLAR—*Continued.*

- 1382.—**P. berolinensis**, DIPPEL. Origin uncer-
tain.
Syn., *P. hybrida berolinensis*.
Planted, 1890. Hardy.
P. betulifolia, *Pursh.* = *P. nigra betulaeifolia*.
P. bolleana, *Lanche* = *P. alba pyramidalis*.
P. canadensis, *Moench.* = *P. deltoidea*,
Marsh.
P. candicans, *Ait.* = *P. balsamifera candi-*
cans.
- 1383.—**P. canescens**, SM.
Planted, 1896. Hardy.
- 1384.—**P. certinensis**, HORT. Garden origin.
Planted, 1890. Hardy.
- 1385.—**P. deltoidea**, MARSH. Angled Cotton-
wood. Cotton-wood. North America.
Syns., *P. angulata*, *Ait.*; *P. canadensis*,
Moench; *P. serotina*, *Hartig*.
Planted, 1896. Hardy.
- 1386.—**P. deltoidea aurea**. Golden-leaved Pop-
lar.
Syn., *P. monilifera Van Geerti*.
Planted, 1896. Hardy.
- 1387.—**P. deltoidea erecta**.
Planted, 1899.
P. dilatata, *Soland.* = *P. nigra pyramidalis*.
P. elegans, *Hort.* = *P. nigra elegans*.
P. Eugenie, *Hort.* = *P. nigra*, *L*.
- 1388.—**P. Fremontii**, S. WATS. California.
Planted, 1899.
- 1389.—**P. grandidentata**, MICHX. North
America.
Planted, 1889. Hardy.
- 1390.—**P. grandidentata** *Parasol de St. Julien*.
Planted, 1894. Hardy.
- 1391.—**P. grandidentata pendula**.
Planted, 1894. Hardy.
- 1392.—**P. heterophylla**, L. North America.
Planted, 1898.
P. hybrida berolinensis = *P. berolinensis*,
Dippel.
- 1393.—**P. laurifolia**, LEDEB. Altai region of
Southern Siberia.
Syns., *P. laurifolia riminalis*; *P. lindley-*
ana, *Booth*.
Planted, 1896. Hardy.
P. laurifolia riminalis = *P. laurifolia*, *Ledeb*.
P. lindleyana, *Booth.* = *P. laurifolia*, *Ledeb*.
P. monilifera, *Ait.* = *P. deltoidea*, *Marsh*.
P. monilifera Van Geerti = *P. deltoidea*
aurea.
- 1394.—**P. moscoviensis**, SCHROEDER. Origin
uncertain.
Planted, 1899.
- 1395.—**P. nigra**, L. Black Poplar. Europe, N.
Asia.
Syn., *P. Eugenie*, *Hort*.
Planted, 1890. Hardy.

POPULUS—POPLAR— *Concluded.*

- 1396.—**P. nigra betulaeifolia.**
Syn., *P. betulifolia*, Pursh.
 Planted, 1890. Hardy.
- 1397.—**P. nigra elegans.**
Syn., *P. elegans*.
 Planted, 1893. Hardy.
P. nigra fastigiata = *P. nigra pyramidalis*.
- 1398.—**P. nigra Nolestii.**
Syn., *P. Nolestii*, Hort.
 Planted, 1890. Hardy.
- 1399.—**P. nigra pyramidalis.** Lombardy Poplar.
Syns., *P. dilatata* Soland; *P. nigra fastigiata*; *P. pyramidalis*, Salisb.
 Planted, 1890. Hardy.
- 1400.—**P. nigra pyramidalis gigantea.**
 Planted, 1899.
- 1401.—**P. nigra plantierensis mascula.**
 Planted, 1896. Hardy.
P. Nolestii, Hort. = *P. nigra Nolestii*.
- 1402.—**P. petrowskyana**, SCHROEDER. Garden origin.
 Planted, 1890. Hardy.
P. pyramidalis, Salisb. = *P. nigra pyramidalis*.
- 1403.—**P. rasumowskyana**, SCHROEDER. Garden origin.
 Planted, 1899.
P. rotundifolia, Hort. = *P. Sieboldii*, Miq.
P. serotina, Hartig. = *P. deltoidea*, Marsh.
P. sibirica pyramidalis = *P. balsamifera intermedia*.
- 1404.—**P. Sieboldii**, MIQ. Japan.
Syn., *P. rotundifolia*, Hort.
 Planted, 1893. Hardy.
- 1405.—**P. Simonii**, CARR. China.
 Planted, 1890. Hardy.
- 1406.—**P. suaveolens**, FISCH.
Syn., *P. balsamifera suaveolens*.
 Planted, 1896. Hardy.
- 1407.—**P. tremula**, L. European Aspen. Europe, N. Africa, N. Asia.
 Planted, 1899.
- 1408.—**P. tremula purpurea.**
 Planted, 1899.
- 1409.—**P. tremula viridifolia.**
 Planted, 1899.
- 1410.—**P. tremuloides**, MICHX. American Aspen. North America.
 Planted, 1896. Hardy.
- 1411.—**P. trichocarpa**, HOOK. Western North America.
 Planted, 1896. Hardy.
- 1412.—**P. tristis**, FISCH. North-eastern Asia.
 Planted, 1896. Hardy.
- 1413.—**P. Wobstii**, SCHROEDER. Garden origin?
 Planted, 1890. Hardy.

POTENTILLA—CINQUE-FOIL.

- 1414.—**P. davurica**, NESLL. China.
 Planted, 1898.
- 1415.—**P. Friedrichseni**, SPATH. Garden origin.
 Planted, 1898.
- 1416.—**P. fruticosa**, L. Shrubby Cinque-foil. Northern Hemisphere.
 Planted, 1889. Hardy.
 PRIVET. See LIGISTRUM.

PRUNUS—ALMOND, PEACH, APRICOT, PLUM, CHERRY.**AMYGDALUS**—ALMOND, PEACH.

- 1417.—**P. Amygdalus compacta.**
 Planted, 1897. Half hardy.
- 1418.—**P. Amygdalus fol. marginatis.**
 Planted, 1897. Hardy for one winter, then winter killed.
- 1419.—**P. Amygdalus persicoides.**
Syn., *Amygdalus persicoides*.
 Planted, 1898.
- 1420.—**P. davidiana**, FRANCHET. China.
Syn., *Amygdalus davidiana*, Dieck.
 Planted, 1897. Hardy.
- 1421.—**P. davidiana flore albo.**
 Planted, 1897. Hardy.
- 1422.—**P. incana**, STEV. Asia Minor.
Syn., *Amygdalus incana*, Pall.
 Planted, 1896. Hardy.
- 1423.—**P. nana flore albo.** White Flowering Almond.
 Planted, 1897. Hardy.
- 1424.—**P. orientalis**, WALP. Orient.
 Planted, 1897. Winter killed.
- 1425.—**P. orientalis fol. variegatis.**
 Planted, 1896. Half hardy.
- 1426.—**P. Persica**, STOKES. Peach. China.
Syn., *Amygdalus Persica*, L.
 Planted, 1896. Tender. Winter killed, 1898.
- 1427.—**P. Persica camelliiflora plena.**
 Planted, 1897. Winter killed.
- 1428.—**P. Persica dianthiflora plena.**
 Planted, 1897. Half hardy.
- 1429.—**P. Persica flore pleno.**
 Planted, 1897. Half hardy.
- 1430.—**P. Persica flore roseo pleno.**
Syn., *P. Persica rosiflora pleno*.
 Planted, 1899.
- 1431.—**P. Persica foliis aureis.**
 Planted, 1897. Half hardy.
- 1432.—**P. Persica Kaiser Friedrich III.**
 Planted, 1897. Half hardy.
- 1433.—**P. Persica Klara Mayer.**
 Planted, 1897. Winter killed. Re-planted, 1899.

PRUNUS—Continued.

AMYGDALUS—ALMOND, PEACH—Concluded.

- 1434.—**P. Persica pyramidalis.**
Planted, 1897. Half hardy.
P. Persica rosiflora plena = *P. Persica flore roseo pleno.*
P. persicoides = *P. Amygdalus persicoides.*
- 1435.—**P. prunifolia.**
Syn., *Amygdalus prunifolia*, Carr.
Planted, 1897. Half hardy.
- 1436.—**P. Simonii**, Carr. China.
Syn., *Amygdalus Simonii*, Dieck
Planted, 1896. Half hardy.

ARMENIACA—APRICOT.

- 1437.—**P. Armeniaca pendula.**
Planted, 1899.
P. Armeniaca brigiatiaca = *P. brigiatiaca*, Chaix.
- 1438.—**P. brigiatiaca**, CHAIX. South-east France.
Syn., *P. Armeniaca brigiatiaca.*
Planted, 1896. Winter killed. Re-planted, 1899.
- 1439.—**P. dasycarpa**, EHRH. ? Garden Hybrid.
Planted, 1896. Half hardy.
- 1440.—**P. Mume**, SIEB. & ZUCC. Japan.
Planted, 1898.
- 1441.—**P. tomentosa**, THUNB. China and Japan.
Planted, 1897. Hardy.
- 1442.—**P. triloba**, LINDL. China.
Planted, 1896. Hardy.

PRUNUS—PLUM.

- 1443.—**P. alleghaniensis**, PORTER. Porter's Plum. South United States.
Planted, 1897, Winter killed. Re-planted, 1899.
- 1444.—**P. americana**, MARSH. Wild Yellow or Red Plum. North America.
Planted, 1896. Hardy.
- 1445.—**P. americana pendula.**
Planted, 1898.
- 1446.—**P. angustifolia**, MARSHALL. Chicasaw Plum. South-eastern United States.
Syn., *P. Chicasa*, Michx.
Planted, 1896. Hardy.
- 1447.—**P. cerasifera**, EHRH. Myrobalan Plum. ? Caucasus.
Syn., *P. mirobalana*, Loisel.
Planted, 1894. Half hardy.
- 1448.—**P. cerasifera acutifolia.**
Planted, 1897. Half hardy.
- 1449.—**P. cerasifera angustifolia pendula.**
Planted, 1899.
- 1450.—**P. cerasifera flore roseo pleno.**
Planted, 1897. Half hardy.

PRUNUS—Continued.

PRUNUS—PLUM—Continued.

- 1451.—**P. cerasifera fol. argenteis marginatis.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 1452.—**P. cerasifera atropurpurea.**
Syn., *P. cerasifera fol. purpureis*; *P. Pisardi*, Carr.
Planted, 1895. Half hardy.
P. cerasifera fol. purpureis = *P. cerasifera atropurpurea.*
- 1453.—**P. cerasifera atropurpurea variegata.**
Planted, 1899.
- 1454.—**P. cerasifera atropurpurea aureo-marginata.**
Planted, 1897. Half hardy.
P. Chicasa, Michx. = *P. angustifolia*, Marshall.
- 1455.—**P. Cocumilio**, TENORE. South Italy.
Planted, 1896. Half hardy.
- 1456.—**P. communis juliana.**
Syn., *P. juliana pendula.*
Planted, 1896. Tender.
- 1457.—**P. communis pruneauliana fol. argenteis variegatis.**
Syn., *P. oeconomica fol. argenteis variegatis.*
Planted, 1896. Half hardy.
- 1458.—**P. communis pruneauliana fol. aureo-marginatis.**
Syn., *P. oeconomica fol. aureo-marginatis.*
Planted, 1896. Half hardy.
- 1459.—**P. communis pruneauliana pyramidalis.**
Syn., *P. oeconomica pyramidalis.*
Planted, 1897. Hardy.
- 1460.—**P. curdica**, FRITSCH. Kurdistan?
Planted, 1896. Hardy.
- 1461.—**P. divaricata**, LEDEB. Caucasus.
Planted, 1897. Hardy.
P. domestica, L. = *P. communis*, Hudson.
- 1462.—**P. hortulana**, BAILEY. Wild Goose Plum. South-western United States.
Planted, 1890. Winter killed.
- 1463.—**P. insititia aucubifolia.**
Planted, 1896. Hardy.
- 1464.—**P. insititia pendula fol. argenteis variegatis.**
Planted, 1896. Winter killed.
P. juliana pendula = *P. communis juliana.*
- 1465.—**P. maritima**, WANGH. Beach Plum. Eastern United States.
Planted, 1893. Hardy.
- 1466.—**P. maritima fructu luteo.**
Planted, 1898.
- 1467.—**P. maritima pygmæa.**
Planted, 1896. Hardy.
P. mirobalana, Loisel = *P. cerasifera*, Ehrh.
- 1468.—**P. monticola**, C. KOCH. Asia Minor.
Planted, 1896. Hardy.

PRUNUS—Continued.**PRUNUS—PLUM—Concluded.**

- 1469.—**P. nigra**, AIT. Canada Plum. Canada. United States. Planted, 1896. Hardy.
P. oeconomica, Borkh. = *P. communis prunaeuliana*.
- 1470.—**P. orthosepala**, KOEHNE. Texas. Planted, 1896. Hardy.
P. Pissardi, Carr. = *P. cerasifera atropurpurea*.
- 1471.—**P. sibirica variet.** Planted, 1896. Half hardy.
- 1472.—**P. spinosa**, LINN. Black Thorn. Europe. North Asia. Planted, 1896. Half hardy.
- 1473.—**P. spinosa flore pleno.** Planted, 1896. Half hardy.
- 1474.—**P. spinosa fructu dulci.** Planted, 1896. Tender.
- 1475.—**P. subcordata**, BENTH. California. Planted, 1899.
- 1476.—**P. subhirtella**, MIQ. Japan. Planted, 1897. Half hardy.
- 1477.—**P. triflora**, ROXB. Japanese Plum. Burma, China. Planted, 1897. Hardy.
- 1478.—**P. Watsoni**, SARGENT. Western United States. Planted, 1898.

CERASUS—CHERRY.

- 1479.—**P. acida Marasca.** Planted, 1897. Hardy.
- 1480.—**P. acida semperflorens.** Planted, 1896. Hardy.
- 1481.—**P. Avium**, L. Wild Cherry. Mazzari. Europe. Planted, 1897. Hardy.
- 1482.—**P. Avium asplenifolia.** Planted, 1896. Half hardy.
- 1483.—**P. Avium decumana.** Planted, 1896. Hardy.
- 1484.—**P. Avium flore pleno.** Planted, 1897. Hardy.
- 1485.—**P. Avium pulverulenta tricolor.** Planted, 1896. Hardy.
- 1486.—**P. Avium pyramidalis.** Planted, 1896. Half hardy.
- 1487.—**P. Cerasus**, L. Sour Cherry. Europe. Planted, 1893. Hardy.
- 1488.—**P. Cerasus flore pleno.** Planted, 1895. Tender.
- 1489.—**P. Cerasus flore albo pleno.** Planted, 1898.
- 1490.—**P. Cerasus fol. pulverulentis.** Planted, 1896. Hardy.

PRUNUS—Continued.**CERASUS—CHERRY—Continued.**

- 1491.—**P. Cerasus globosa.** Planted, 1898.
- 1492.—**P. Cerasus Rhexii flore pleno.** Planted, 1896. Hardy.
- 1493.—**P. Cerasus rosea pendula.** Planted, 1897. Hardy.
- 1494.—**P. Cerasus sempervirens.** Planted, 1896. Hardy.
- 1495.—**P. Chamaecerasus**, JACQ. Europe. Planted, 1891. Hardy.
- 1496.—**P. Chamaecerasus pendula.** Planted, 1896. Hardy.
- 1497.—**P. Chamaecerasus pendula fol. variegatis.** Planted, 1896. Hardy.
P. fruticosa, Pall. = *P. Chamaecerasus*, Jacq.
- 1498.—**P. hybrida nigra fol. marginatis.** Planted, 1898.
- 1499.—**P. Jacquemontii**, HOOK. Afghanistan. Planted, 1896. Half hardy.
- 1500.—**P. japonica**, THUNB. China and Japan. *Syn.*, *P. sinensis*, Pers. Planted, 1896. Half hardy.
- 1501.—**P. japonica flore albo pleno.** Planted, 1896. Winter killed. Re-planted, 1899.
- 1502.—**P. japonica flore roseo pleno.** Planted, 1896. Tender.
- 1503.—**P. Maximowiczii**, RUFR. Mandshuria. Planted, 1899.
- 1504.—**P. pendula**, MAXIM. Japan. Planted, 1896. Tender.
- 1505.—**P. pendula japonica.** Planted, 1899.
- 1506.—**P. pennsylvanica**, L. Wild Red Cherry. Pin Cherry. North America. Planted, 1896. Hardy.
- 1507.—**P. pennsylvanica variet.** Planted, 1896. Hardy.
- 1508.—**Prunus plantierensis flore pleno.** Planted, 1896. Half hardy.
- 1509.—**P. prostrata**, LABILL. Orient. Planted, 1898.
- 1510.—**P. pseudo-cerasus**, LINDL. China and Japan. Planted, 1896. Hardy.
- 1511.—**P. pseudo-cerasus flore roseo pleno.** Planted, 1896. Tender.
- 1512.—**P. pseudo-cerasus serrulata.** Planted, 1899.
- 1513.—**P. pseudo-cerasus serrulata flore pleno.** Planted, 1896. Tender.

PRUNUS—Continued.**CERASUS—CHERRY—Concluded.**

- 1514.—**P. pumila**, L. Sand Cherry. North America.
Planted, 1896. Hardy.
- 1515.—**P. pumila** variet.
Planted, 1896. Hardy.
- 1516.—**P. reflexa**, HORT.
Planted, 1899.
P. rosea pendula = *P. japonica rosea pendula*.
P. sinensis, Pers. = *P. japonica*, Thunb.
- 1517.—**P. utahensis** (*P. Besseyi* x *Watsoni*).
Planted, 1890. Hardy.

PADUS—BIRD CHERRY.

- 1518.—**P. demissa**, WALP. Western Wild Cherry. British Columbia, Western United States.
Planted, 1899.
P. emarginata mollis = *P. mollis*, Walp.
- 1519.—**P. graeca**, DESF. Europe.
Planted, 1896. Hardy.
- 1520.—**P. grayana**, MAXIM. Japan.
Planted, 1894. Hardy.
- 1521.—**P. Maacki**, RUPE. Mandshuria.
Planted, 1894. Hardy.
- 1522.—**P. Mahaleb**, L. Mahaleb. Perfumed Cherry. Europe.
Planted, 1889. Hardy.
- 1523.—**P. Mahaleb compacta**.
Planted, 1896. Tender.
- 1524.—**P. Mahaleb fructu luteo**.
Planted, 1896. Tender.
- 1525.—**P. Mahaleb globosa**.
Planted, 1896. Half hardy.
- 1526.—**P. Mahaleb pendula**.
Planted, 1896. Tender.
- 1527.—**P. mollis**, WALP. Western United States.
Syn., *P. emarginata mollis*.
Planted, 1896. Hardy.
- 1528.—**P. Padus**, L. Bird Cherry. Europe, Asia.
Planted, 1896. Hardy.
- 1529.—**P. Padus aucubaefolia**.
Planted, 1891. Hardy.
- 1530.—**P. Padus aurea**. Golden-leaved Bird Cherry.
Planted, 1896. Half hardy.
- 1531.—**P. Padus aurea Albertsi**.
Planted, 1899.
- 1532.—**P. Padus bracteata**.
Planted, 1899.
- 1533.—**P. Padus cornuta**.
Planted, 1898.
- 1534.—**P. Padus flore pleno**. Double-flowered Bird Cherry.
Planted, 1896. Hardy.

PRUNUS—Concluded.**PADUS—BIRD CHERRY—Concluded.**

- 1535.—**P. Padus foliis marmoratis**.
Planted, 1896. Hardy.
- 1536.—**P. Padus heterophylla elegans variegata**.
Planted, 1896. Hardy.
- 1537.—**P. Padus leucocarpa**.
Planted, 1896. Hardy.
- 1538.—**P. ranunculæfolia**.
Planted, 1897. Hardy.
- 1539.—**P. Padus rotundifolia**. Round-leaved Bird Cherry.
Planted, 1896. Hardy.
- 1540.—**P. serotina**, EHRH. Wild Black Cherry. Canada, United States.
Planted, 1890. Hardy.
- 1541.—**P. serotina asplenifolia**.
Planted, 1899.
- 1542.—**P. serotina cartilaginea**.
Planted, 1896. Hardy.
- 1543.—**P. serotina pendula**.
Planted, 1896. Bark rubbed, causing it to kill back one half. Died. Re-planted, 1899.
- 1544.—**P. serotina salicifolia**.
Planted, 1896. Hardy.
- 1545.—**P. variegata**.
Planted, 1899.
- 1546.—**P. virginiana**, L. Choke Cherry. Canada, United States.
Planted, 1896. Hardy.
- 1547.—**P. virginiana pendula**.
Planted, 1897. Hardy.

LAUROCERASUS.

- 1548.—**P. Laurocerasus schipkaensis**.
Planted, 1897. Hardy.
- 1549.—**P. lusitanica argenteo-marginatis**.
Planted, 1895. Winter-killed.

PTELEA—WAFFER ASH, THREE-LEAVED HOP-TREE.

- 1550.—**P. trifoliata**, L. Southern Ontario, United States.
Planted, 1894. Hardy.
- 1551.—**P. trifoliata aurea**. Golden Wafer Ash.
Planted, 1896. Hardy.
- 1552.—**P. trifoliata fastigiata**.
Planted, 1898.
- 1553.—**P. trifoliata fol. variegatis**. Variegated Wafer Ash.
Planted, 1897. Hardy.
- 1554.—**P. trifoliata glauca**.
Planted, 1899.
- 1555.—**P. trifoliata major**.
Planted, 1896. Hardy.

PTEROCARYA.

- 1556.—*P. caucasica*, C. A. MEY. Caucasus.
Planted, 1898.
P. caucasica laevigata = *P. stenoptera*, C. DC.
P. laevigata, Hort. = *P. stenoptera*, C. DC.
- 1557.—*P. rhoifolia*, SIEB. & ZUCC. Japan.
Planted, 1898.
- 1558.—*P. stenoptera*, C. DC. China.
Syn., *P. laevigata*, Hort.; *P. caucasica laevigata*.
Planted, 1896. Half hardy.
Pterostyrax = *Halesia*.

PYRUS—PEAR, APPLE, MOUNTAIN ASH, QUINCE, MEDLAR.

PYROPHORUM—PEAR.

- 1559.—*P. auricularis*, KNOOP. (*P. aria* x *communis*). Europe.
Syn., *P. Pollveria*, L.
Planted, 1898.
- 1560.—*P. betulaeifolia*, BUNGE. Birch-leaved Pyrus. China and Japan.
Planted, 1896. Hardy.
- 1561.—*P. canescens*, SPACH. Origin uncertain.
Planted, 1896. Hardy.
P. chinensis, Roxb. = *P. sinensis*, Lindl.
- 1562.—*P. communis*, L. Common Wild Pear. Europe. Asia.
Planted, 1898.
- 1563.—*P. communis fascicularis*.
Planted, 1896. Hardy.
- 1564.—*P. communis flore albo pleno*.
Planted, 1899.
- 1565.—*P. communis fol. variegatis*.
Planted, 1898.
- 1566.—*P. communis Souvenir de Plantières*.
Planted, 1899.
- 1567.—*P. elaeagrifolia*, PALL. Asia Minor.
Syn., *P. persica*, Pers.
Planted, 1896. Hardy.
- 1568.—*P. heterophylla*, RGL. & SCHMAL. Asia.
Planted, 1896. Hardy.
- 1569.—*P. heterophylla Koopmanni*.
Planted, 1896. Half hardy.
- 1570.—*P. malifolia*, SPACH. Hybrid origin.
Planted, 1899.
- 1571.—*P. Michauxi* HORT.
Planted, 1896. Hardy.
- 1572.—*P. nivalis*, JACQ. Levant.
Planted, 1896. Half hardy.
- 1573.—*P. parviflora*, DESF. South Europe.
Syn., *P. persica*, Pers.
Planted, 1899.
- 1574.—*P. Pashia*, BUCH. India.
Planted, 1898.
P. persica, Pers. = *P. parviflora*, Desf.
P. Pollveria, L. = *P. auricularis*, Knoop.

PYRUS—Continued.

PYROPHORUM—PEAR—Concluded.

- 1575.—*P. pubescens*, HORT.
Planted, 1896. Hardy.
- 1576.—*P. Pyrainus*, HORT.
Planted, 1896.
- 1577.—*P. salicifolia*, L. Levant.
Planted, 1897. Hardy.
- 1578.—*P. sinaica*, THOUIN. Asia Minor.
Planted, 1896. Hardy.
- 1579.—*P. sinensis*, LINDL. China.
Syn., *P. chinensis*, Roxb.
Planted, 1897. Hardy.
P. ussuriensis, Maxim. = *P. sinensis*, Lindl.

MALUS—APPLE.

- 1580.—*P. angustifolia*, AIT. United States.
Planted, 1895. Hardy.
- 1581.—*P. angustifolia flore pleno*.
Planted, 1896. Half hardy.
- 1582.—*P. astrachanica*, DC. Russia.
Planted, 1897. Hardy.
- 1583.—*P. baccata*, L. Siberian Crab. Berried crab. Himalaya to Japan.
Planted, 1889. Hardy.
- 1584.—*P. baccata aurantiaca*.
Planted, 1889. Hardy.
- 1585.—*P. baccata cerasiformis*.
Planted, 1894. Hardy.
- 1586.—*P. baccata costata*.
Planted, 1896. Hardy.
- 1587.—*P. baccata edulis*.
Planted, 1899.
- 1588.—*P. baccata flava*.
Planted, 1897. Hardy.
- 1589.—*P. baccata fructu luteo*.
Planted, 1897. Hardy.
- 1590.—*P. baccata fructu maximo*.
Planted, 1896. Hardy.
- 1591.—*P. baccata genuina*.
Planted, 1894. Hardy.
- 1592.—*P. baccata grandiflora*.
Planted, 1895. Hardy.
- 1593.—*P. baccata hiemalis*.
Planted, 1896. Hardy.
- 1594.—*P. baccata jenensis*.
Planted, 1896. Hardy.
- 1595.—*P. baccata lucida*.
Planted, 1894. Hardy.
- 1596.—*P. baccata macrocarpa*.
Planted, 1894. Hardy.
- 1597.—*P. baccata obconoides*.
Planted, 1899.
- 1598.—*P. baccata oblonga*.
Planted, 1898.

PYRUS—Continued.**MALUS**—APPLE—Continued.

- 1599.—**P. baccata odorata.**
Planted, 1898.
- 1600.—**P. baccata praecox.**
Planted, 1896. Hardy
- 1601.—**P. coronaria**, L. American Crab Apple.
Western Ontario, Eastern United States.
Planted, 1889. Hardy.
- 1602.—**P. coronaria flore pleno.**
Planted, 1896. Hardy.
- 1603.—**P. coronaria variet.**
Planted, 1896. Hardy.
- 1604.—**P. denticulata**, LAVAL.
Planted, 1899.
P. dioica, Moench. = *P. Malus dioica*.
- 1605.—**P. floribunda**, NICHOLS. Japan.
Syn., *P. Malus floribunda*.
Planted, 1899.
- 1606.—**P. floribunda atrosanguinea.**
Planted, 1896. Hardy.
- 1607.—**P. floribunda flore pleno.**
Syns., *P. Parkmanni*; *P. halleana*, Hort.
Planted, 1895. Winter killed. Re-planted,
1898.
P. halleana, Hort. = *P. floribunda flore pleno*.
- 1608.—**P. Malus**, LINN. Wild Apple. Europe.
Planted, 1898.
- 1609.—**P. Malus argenteo-marginatis.**
Planted, 1896. Hardy.
- 1610.—**P. Malus aurea.**
Planted, 1896. Hardy.
- 1611.—**P. Malus aureo-marginatis.**
Planted, 1896. Hardy.
- 1612.—**P. Malus cortice striato.**
Planted, 1896. Hardy.
- 1613.—**P. Malus dioica.**
Syn., *P. dioica*, Moench.
Planted, 1896. Hardy.
- 1614.—**P. Malus flexilis.**
Planted, 1897. Hardy.
P. Malus floribunda = *P. floribunda*,
Nichols.
- 1615.—**P. Malus foliis tricoloribus.**
Planted, 1897. Hardy.
- 1616.—**P. Malus pendula Elise Rathke.**
Planted, 1896. Hardy.
P. Malus spectabilis = *P. spectabilis*, Ait.
China and Japan.
- 1617.—**P. Malus translucens.**
Planted, 1896. Hardy.
- 1618.—**P. Malus upsaliensis.**
Planted, 1898.
- 1619.—**P. microcarpa praecox.**
Planted, 1896. Hardy.

PYRUS—Continued.**MALUS**—APPLE—Continued.

- 1620.—**P. niedzwetzkyana**, Dck.
Planted, 1896. Hardy.
- 1621.—**P. orthocarpa**, NICHOLS. Japan.
Planted, 1898.
P. Parkmanni, Hort. = *P. floribunda flore pleno*.
- 1622.—**P. pumila**, K. KOCH.
Planted, 1896. Hardy.
- 1623.—**P. pumila gallica.**
Planted, 1898.
- 1624.—**P. pumila Sieversii.**
Planted, 1896. Hardy.
- 1625.—**P. prunifolia**, WILLD. Siberia.
Planted, 1894. Hardy.
- 1626.—**P. prunifolia conocarpa.**
Planted, 1897. Hardy.
- 1627.—**P. prunifolia dulcis.**
Planted, 1896. Hardy.
- 1628.—**P. prunifolia edulis.**
Planted, 1898.
- 1629.—**P. prunifolia fructu coccineo.**
Planted, 1896. Hardy.
- 1630.—**P. prunifolia maliformis.**
Planted, 1896. Hardy.
- 1631.—**P. prunifolia pendula.**
Planted, 1896. Hardy.
- 1632.—**P. prunifolia xanthocarpa.**
Planted, 1896. Hardy.
- 1633.—**P. Ringo**, MAXIM. Japan.
Planted, 1894. Hardy.
- 1634.—**P. Ringo chaemonifolius.**
Planted, 1894. Hardy.
- 1635.—**P. Ringo fastigiata bifera.**
Planted, 1896. Hardy.
- 1636.—**P. Ringo sublobata.**
Planted, 1896. Hardy.
- 1637.—**P. rivularis**, DOUGL. North America.
Planted, 1896. Hardy.
- 1638.—**P. rivularis integrifolia.**
Planted, 1896. Hardy.
- 1639.—**P. Scheideckeri**, SPATH. (*P. floribunda x prunifolia*.)
Planted, 1896. Hardy.
- 1640.—**P. sibirica fructu coccineo** (*P. baccata x prunifolia*.)
Planted, 1896. Hardy.
- 1641.—**P. spectabilis**, AIT. China and Japan.
Syn., *P. Malus spectabilis*.
Planted, 1899.
- 1642.—**P. spectabilis flore pleno.**
Planted, 1897. Hardy.
- 1643.—**P. spectabilis imperialis.**
Planted, 1896. Hardy.
- 1644.—**P. spectabilis Riversii.**
Planted, 1896. Hardy.

PYRUS—Continued.**MALUS**—APPLE—Concluded.

- 1645.—**P. Toringo**, SIEB. Japan.
Planted, 1896. Hardy.
- 1646.—**P. Toringo major**.
Planted, 1896. Hardy.
- 1647.—**P. Toringo nivea polypetala**.
Planted, 1895. Hardy.

ARIA—WHITE BEAM.

- 1648.—**P. alpina**, WILLD. (**P. arbutifolia** x **Aria**). Garden origin.
Planted, 1899.
- 1649.—**P. alpina compacta**.
Planted, 1897. Hardy.
- 1650.—**P. alpina super-Aria**.
Planted, 1896. Hardy.
- 1651.—**P. Aria**, L. White Beam-tree. North Temperate Zone.
Planted, 1897. Hardy.
- 1652.—**P. Aria angustifolia**.
Planted, 1896. Hardy.
- 1653.—**P. Aria argentea**.
Planted, 1899.
- 1654.—**P. Aria chrysophylla**.
Planted, 1897. Hardy.
- 1655.—**P. Aria flabelliformis**.
Syns., *Crataegus edulis*; *P. flabellifolia*, S. Schau.
Planted, 1896. Hardy.
- 1656.—**P. Aria lutescens**.
Planted, 1896. Hardy.
- 1657.—**P. Aria majestica**.
Planted, 1896. Hardy.
- 1658.—**P. Aria quercoides**.
Planted, 1896. Hardy.
- 1659.—**P. Aria tomentosa**.
Planted, 1896. Hardy.
- 1660.—**P. Aria vestita**.
Planted, 1896. Hardy.
- 1661.—**P. Chamæespilus**, L. Alps of Europe.
Planted, 1896. Hardy.
- 1662.—**P. decaisneana**, NICHOLS. Origin unknown.
Planted, 1899.
P. flabellifolia, S. Schau. = *P. Aria flabelliformis*.
- 1663.—**P. intermedia**, EHRH. Europe.
Planted, 1897. Hardy.
- 1664.—**P. lanata**, DON. Himalaya.
Planted, 1899.
- 1665.—**P. rotundifolia**, BECHST. Europe.
Syns., *Crataegus latifolia*, Lam.; *C. dentata*, Thuill.
Planted, 1894. Hardy.
P. Thomsoni, Hort. = *P. vestita*, Wall.

PYRUS—Continued.**ARIA**—WHITE BEAM—Concluded.

- 1666.—**P. Torminalis**, DC. Europe.
Syn., *Crataegus Torminalis*, L.
Planted, 1898.
- 1667.—**P. vestita**, WALL. India.
Syn., *P. nepalensis*, Hort.
Planted, 1896. Hardy.
- SORBUS**—MOUNTAIN ASH—ROWAN TREE—SERVICE TREE.
- 1668.—**P. alnifolia**, K. KOCH. Japan.
Planted, 1899.
- 1669.—**P. americana**, DC. American Mountain Ash. North America.
Planted, 1896. Hardy.
- 1670.—**P. americana nana**. Dwarf American Mountain Ash.
Planted, 1894. Hardy.
- 1671.—**P. Aucuparia**, GAERTN. European Mountain Ash. Northern Hemisphere.
Syn., *P. discolor*., Maxim.
Planted, 1889. Hardy.
P. Aucuparia aurea = *P. Aucuparia foliis aureis*.
- 1672.—**P. Aucuparia foliis aureis**. Golden-leaved European Mountain Ash.
Syns., *P. Aucuparia aurea*; *P. Aucuparia fol. luteo-variegatis*.
Planted, 1896. Hardy.
- 1673.—**P. Aucuparia fifana**.
Planted, 1896. Hardy.
P. Aucuparia fol. luteo-variegatis = *P. Aucuparia foliis aureis*.
- 1674.—**P. Aucuparia fructu dulci**.
Planted, 1897. Hardy.
- 1675.—**P. Aucuparia fructu luteo**. Yellow-fruited European Mountain Ash.
Planted, 1894. Hardy.
P. Aucuparia lanuginosa = *P. lanuginosa*, DC.
- 1676.—**P. Aucuparia moravica**.
Planted, 1899.
- 1677.—**P. Aucuparia pendula**. Weeping European Mountain Ash.
Planted, 1889. Hardy.
- 1678.—**P. Aucuparia pendula fol. variegatis**.
Planted, 1899.
- 1679.—**P. Aucuparia rossica**.
Planted, 1899.
- 1680.—**P. Aucuparia satureifolia**.
Planted, 1896. Hardy.
- 1681.—**P. Aucuparia variegata**.
Planted, 1894. Hardy.
P. domestica, Sm. = *P. Sorbus*, Gaertn.
- 1682.—**P. glabrata**, HORT.
Planted, 1896. Hardy.

PYRUS—Continued.

SORBUS—MOUNTAIN ASH, &c.—Concluded.

- 1683.—**P. heterophylla**, RCHB. (**P. arbutifolia** x **Aucuparia**.)
Planted, 1897. Hardy.
- 1684.—**P. Hostii**, K. KOCH.
Planted, 1896. Hardy.
- 1685.—**P. hybrida**, L.
Planted, 1894. Hardy.
- 1686.—**P. lanuginosa**, DC. Eastern Europe.
Syn., *P. Aucuparia lanuginosa*.
Planted, 1898.
- 1687.—**P. latifolia**, PERS. (**P. Torminalis** x **Aria**.)
Planted, 1897. Hardy.
- 1688.—**P. monstrosa macrocarpa**.
Planted, 1891. Hardy.
- 1689.—**P. Mougeoti**, GODR.
Planted, 1896. Hardy.
P. nepalensis, Hort. = *P. vestita*, Wall.
- 1690.—**P. neuillyensis**, DIPP. (**P. Aucuparia** x **hybrida** ?)
Planted, 1896. Hardy.
- 1691.—**P. obtusata**, HORT.
Planted, 1896. Hardy.
- 1692.—**P. sambucifolia**, CHAM. North-eastern Asia and North-west America.
Planted, 1899.
- 1693.—**P. Sorbus**, GAERTN. Service Tree. Europe.
Syn., *P. domestica*, Sm.
Planted, 1896. Tender.
- 1694.—**P. thianschanica**, REGEL. Eastern Asia.
Planted, 1899.

ADENORACHIS—CHOKE-BERRY.

- 1695.—**P. arbutifolia**, L. fil. Choke Berry. North America.
Syn., *P. arbutifolia erythrocarpa*.
Planted, 1889. Hardy.
P. arbutifolia erythrocarpa = *P. arbutifolia*, L. fil.
- 1696.—**P. arbutifolia grandiflora**.
Planted, 1889. Hardy.
P. arbutifolia melanocarpa = *P. nigra*, Willd.
- 1697.—**P. arbutifolia melanocarpa glabrescens**.
Planted, 1896. Hardy.
- 1698.—**P. arbutifolia serotina**.
Planted, 1889. Hardy.
P. melanocarpa, Willd = *P. nigra*, Sargent.
- 1699.—**P. nigra**, SARGENT. North America.
Syns.: *P. arbutifolia melanocarpa*; *P. melanocarpa*, Willd.
Planted, 1889. Hardy.
- 1700.—**P. cathayensis**, HEMSLE. China.
Syn., *Cydonia sinensis*, Thourin.
Planted, 1897. Tender.

PYRUS—Continued.

CYDONIA—QUINCE.

- 1701.—**P. Cydonia**, L. Common Quince. Native country unknown.
Syn., *Cydonia vulgaris*, Pers.
Planted, 1897. Hardy. It is doubtful if this will continue to prove hardy.
- 1702.—**P. Cydonia marmorata**.
Planted, 1899.
- 1703.—**P. Cydonia pygmaea**.
Planted, 1897. Half hardy.
- 1704.—**P. japonica**, THUNB. Japanese Quince. China and Japan.
Planted, 1889. Half hardy.
- 1705.—**P. japonica alba grandiflora plena**.
Planted, 1898.
- 1706.—**P. japonica albo-rosea**.
Planted, 1899.
- 1707.—**P. japonica alba semiplena**.
Planted, 1897. Half hardy.
- 1708.—**P. japonica atrococcinea plena**.
Planted, 1897. Half hardy.
- 1709.—**P. japonica atrosanguinea plena**.
Planted, 1897. Half hardy.
- 1710.—**P. japonica Aurora**.
Planted, 1897. Half hardy.
- 1711.—**P. japonica Baltzi**.
Planted, 1897. Half hardy.
- 1712.—**P. japonica cardinalis**.
Planted, 1897. Died. Re-planted, 1899.
- 1713.—**P. japonica eximia**.
Planted, 1887. Half hardy.
- 1714.—**P. japonica flore albo**.
Planted, 1897. Half hardy.
- 1715.—**P. japonica flore kermesino**.
Planted, 1897. Half hardy.
- 1716.—**P. japonica fol. rubris**.
Planted, 1897. Half hardy.
- 1717.—**P. japonica grandiflora**.
Planted, 1897. Half hardy.
- 1718.—**P. japonica kermesina semiplena**.
Planted, 1897. Half hardy.
- 1719.—**P. japonica macrocarpa**.
Planted, 1897. Tender.
- 1720.—**P. japonica marmorata**.
Planted, 1897. Half hardy.
P. japonica Maulei = *P. Maulei*, Mast.
- 1721.—**P. japonica Moerloosi**.
Planted, 1897. Half hardy.
- 1722.—**P. japonica multiflora**.
Planted, 1897. Half hardy.
- 1723.—**P. japonica nivalis**.
Planted, 1897. Half hardy.
- 1724.—**P. japonica nivea intus kermesina**.
Planted, 1897. Half hardy.

PYRUS—Concluded.

CYDONIA—QUINCE—Concluded.

- 1725.—**P. japonica rosea grandiflora semiplena.**
Planted, 1887. Half hardy.
- 1726.—**P. japonica rosea plena.**
Planted, 1897. Half hardy.
- 1727.—**P. japonica rosea alba.**
Planted, 1897. Half hardy.
- 1728.—**P. japonica sanguinea multiflora.**
Planted, 1897. Half hardy.
- 1729.—**P. japonica sanguinea semiplena.**
Planted, 1897. Half hardy.
- 1730.—**P. japonica Simoni.**
Planted, 1897. Half hardy.
- 1731.—**P. japonica Simoni lutescens.**
Planted, 1899.
- 1732.—**P. japonica umbilicata.**
Planted, 1897. Half hardy.
- 1733.—**P. japonica versicolor.**
Planted, 1897. Half hardy.
- 1734.—**P. japonica versicolor lutescens.**
Planted, 1897. Half hardy.
- 1735.—**P. Maulei**, MAST. Maule's Japanese Quince. Japan.
Syn., *P. japonica Maulei*.
Planted, 1896. Hardy.
- 1736.—**P. Maulei superba.**
Planted, 1899.

MESPIIUS—MEDLAR.

- 1737.—**P. germanica.** HOOK. FIL. Europe, Asia.
Planted, 1897. Half hardy.
- 1738.—**P. germanica fol. argenteis variegatis.**
Planted, 1897. Half hardy.

QUERCUS—OAK.

QUERCINEAE.

- 1739.—**Q. acuta**, THUNB. Japan.
Planted, 1897. Winter killed.
Q. ajudaghiensis dissecta, Hort. = *Q. lanuginosa dissecta*, Thuill.
- 1740.—**Q. alba**, L. White Oak. North America.
Planted, 1896. Hardy.
- 1741.—**Q. alba elongata.**
Planted, 1898.
Q. ambigua, Michx. = *Q. rubra*, L.
Q. apennina, Lam. = *Q. pedunculata apennina*.
Q. aquatica, Walt. = *Q. nigra*, L.
Q. Banisteri, Michx. = *Q. ilicifolia*, Wangenh.
- 1742.—**Q. bicolor**, WILLD. Swamp White Oak. North America.
Syn., *Q. tomentosa*, Kirchn.
Planted, 1897. Hardy.

QUERCUS—OAK—Continued.

QUERCINEAE—Continued.

- 1743.—**Q. brutica**, TEN. Europe.
Planted, 1899.
Q. Castanea, Hort. = *Q. Prinus*, L.
- 1744.—**Q. Cerris**, L. Turkey Oak. South and Eastern Europe, Asia Minor.
Planted, 1896. Winter killed.
- 1745.—**Q. Cerris austriaca sempervirens.**
Planted, 1899.
- 1746.—**Q. Cerris cana minor.**
Planted, 1898.
- 1747.—**Q. Cerris crispa.**
Planted, 1898.
- 1748.—**Q. Cerris karlsruhensis.**
Planted, 1896. Tender.
- 1749.—**Q. coccinea**, MUENCH. Scarlet Oak. North America.
Planted, 1896. Hardy.
- 1750.—**Q. conferta**, KIT. Hungarian Oak. Italy to Hungary.
Planted, 1896. Half hardy.
- 1751.—**Q. cordata**, MAST. & GAL. Mexico.
Planted, 1893. Hardy.
- 1752.—**Q. crispula**, BLUME. Japan.
Planted, 1896. Winter killed.
- 1753.—**Q. crispula grosseserrata.**
Syn., *Q. grosseserrata*, Blume.
Planted, 1896. Half hardy.
- 1754.—**Q. cuneata**, WANGENH. United States.
Syn., *Q. falcata*, Michx.
Planted, 1897. Half hardy.
- 1755.—**Q. cuspidata**, THUNB. Japan.
Planted, 1897. Winter killed.
- 1756.—**Q. dentata**, THUNB. Japan.
Planted, 1897. Hardy.
Q. dschorochensis, C. Koch. = *Q. sessiliflora dschorochensis*.
Q. falcata, Michx. = *Q. cuneata*, Wangenh.
- 1757.—**Q. glandulifera**, BLUME. Japan.
Planted, 1896. Winter killed.
- 1758.—**Q. Gambelii**, NUTT. Colorado.
Planted, 1899.
- 1759.—**Q. glauca**, THUNB. Japan.
Planted, 1897. Tender.
- 1760.—**Q. glauca variegata.**
Planted, 1897. Winter killed.
Q. grosseserrata, Blume = *Q. crispula grosseserrata*.
Q. Haas, Kolschy = *Q. pedunculata Haas*.
Q. hartwissiana, Stev. = *Q. lanuginosa*, Thuill.
- 1761.—**Q. Ilex**, L. Evergreen Oak. Mediterranean region.
Planted, 1895. Winter killed.
- 1762.—**Q. ilicifolia**, WANGENH. Bear or Scrub Oak. Eastern United States.
Syn., *Q. Banisteri*, Michx.
Planted, 1897. Half hardy.

QUERCUS—OAK—Continued.**QUERCINEAE—Continued.**

- 1763.—**Q. imbricaria**, MICHX. Shingle Oak. United States. Planted, 1893. Hardy.
- 1764.—**Q. lanuginosa**, THUILL. Europe, West Asia.
Syns., *Q. hartwissiana*, Stev.; *Q. pubescens*, Willd.
Planted, 1896. Half hardy.
- 1765.—**Q. lanuginosa dissecta**.
Syns., *Q. ajudaghiensis dissecta*; *Q. Pseudo-aegilops*.
Planted, 1896. Half hardy.
- 1766.—**Q. lusitanica**, LAM. South Europe, Asia Minor.
Planted, 1896. Winter killed. Re-planted, 1899.
- 1767.—**Q. lanuginosa altissima**.
Syn., *Q. pubescens altissima*.
Planted, 1896. Hardy.
- 1768.—**Q. lanuginosa Hentzei**.
Planted, 1898.
- 1769.—**Q. lanuginosa pendula**.
Syn., *Q. Pseudo-aegilops pendula*.
Planted, 1899.
- 1770.—**Q. lyrata**, WALT. Swamp, Overcup or Post Oak. Southern United States.
Planted, 1897. Tender.
- 1771.—**Q. macranthera**, FISCH. & MEY. Armenia.
Planted, 1896. Hardy.
- 1772.—**Q. macrocarpa**, MICHX. Mossy Cup Oak. North America.
Syn., *Q. ramosa*, Booth.
Planted, 1896. Hardy.
- 1773.—**Q. macrocarpa striata**.
Planted, 1899.
- 1774.—**Q. macrocarpa olivaeformis**.
Syn., *Q. olivaeformis*, Michx.
Planted, 1893. Hardy.
- 1775.—**Q. macrocarpa olivaeformis Hampteri**.
Planted, 1898.
- 1776.—**Q. macrophylla Albertsi**.
Planted, 1899.
- 1777.—**Q. Michauxii**, NUTT. Cow Oak, Basket Oak. Southern United States.
Planted, 1897. Half hardy.
- 1778.—**Q. Mirbeckii**, DUR. Spain, Portugal, North Africa.
Planted, 1898.
- 1779.—**Q. nigra**, L. Water Oak. Southern United States.
Syn., *Q. aquatica*, Walt.
Planted, 1897. Hardy.
Q. obtusiloba, Michx. = *Q. stellata*, Wangenh.
Q. olivaeformis, Michx. = *Q. macrocarpa olivaeformis*.

QUERCUS—OAK—Continued.**QUERCINEAE—Continued.**

- 1780.—**Q. palustris**, MUENCH. Swamp Oak, Pin Oak. United States.
Planted, 1893. Winter killed.
- 1781.—**Q. pedunculata**, EHRH. Common European Oak. Europe, Asia.
Syn., *Q. Robur pedunculata*.
Planted, 1893. Hardy.
- 1782.—**Q. pedunculata apennina**.
Syn., *Q. apennina*, Lam.
Planted, 1896. Half hardy.
- 1783.—**Q. pedunculata argenteo-marginata**.
Planted, 1897. Hardy.
- 1784.—**Q. pedunculata argenteo-picta**.
Planted, 1896. Hardy.
- 1785.—**Q. pedunculata asplenifolia gracilis**.
Planted, 1897. Hardy.
Q. pedunculata atropurpurea — *Q. pedunculata purpurascens*.
- 1786.—**Q. pedunculata aurea bicolor**.
Planted, 1896. Half hardy.
- 1787.—**Q. pedunculata cochleata**.
Planted, 1896. Hardy.
- 1788.—**Q. pedunculata comptoniifolia**.
Planted, 1896. Half hardy.
- 1789.—**Q. pedunculata Concordia**.
Syn., *Q. pedunculata foliis aureis*.
Planted, 1893. Hardy.
- 1790.—**Q. pedunculata crispa**.
Planted, 1896. Half hardy.
- 1791.—**Q. pedunculata cucullata fol. argenteis variegatis**.
Planted, 1897. Hardy.
- 1792.—**Q. pedunculata cuprea**.
Planted, 1896. Hardy.
Q. pedunculata Dauresssei, Hort. = *Q. pedunculata pendula*.
- 1793.—**Q. pedunculata elegans tricolor**.
Planted, 1896. Hardy.
- 1794.—**Q. pedunculata fastigiata**.
Syn., *Q. pyramidatis*, Gmel.
Planted, 1889. Half hardy.
- 1795.—**Q. pedunculata fastigiata cucullata**.
Planted, 1896. Half hardy.
- 1796.—**Q. pedunculata fastigiata cupressoides**.
Planted, 1896. Half hardy.
- 1797.—**Q. pedunculata fastigiata fol. aureo-punctatis**.
Planted, 1893. Half hardy.
- 1798.—**Q. pedunculata fastigiata Grangei**.
Planted, 1896. Half hardy.
- 1799.—**Q. pedunculata fastigiata viridis**.
Planted, 1896. Half hardy.
- 1800.—**Q. pedunculata foliis argenteis**.
Planted, 1896. Half hardy.
Q. pedunculata foliis aureis = *Q. pedunculata Concordia*.

QUERCUS—OAK—Continued.**QUERCINEAE**—Continued.

- 1801.—**Q. pedunculata** Furst Schwarzenberg.
Planted, 1896. Hardy.
- 1802.—**Q. pedunculata** Haas.
Syn., *Q. Haas, Kotschy*.
Planted, 1896. Hardy.
- 1803.—**Q. pedunculata heterophylla**.
Planted, 1896. Half hardy.
- 1804.—**Q. pedunculata heterophylla cucullata**.
Planted, 1896. Tender.
- 1805.—**Q. pedunculata heterophylla dissecta**.
Planted, 1896. Half hardy.
- 1806.—**Q. pedunculata heterophylla Hentzei**.
Planted, 1896. Half hardy.
- 1807.—**Q. pedunculata heterophylla lyrata punctata**.
Planted, 1897. Hardy.
Q. pedunculata Louettei = *Q. sessiliflora mespilifolia*.
- 1808.—**Q. pedunculata maculata**.
Planted, 1896. Half hardy. Winter killed. Re-planted, 1899.
- 1809.—**Q. pedunculata multicaulis**.
Planted, 1896. Hardy.
Q. pedunculata nigra = *Q. pedunculata purpurascens*.
- 1810.—**Q. pedunculata nigricans**.
Planted, 1898.
- 1811.—**Q. pedunculata oxyacanthifolia**.
Planted, 1899.
- 1812.—**Q. pedunculata pallida**.
Planted, 1899.
- 1813.—**Q. pedunculata pectinata**.
Planted, 1896. Half hardy.
- 1814.—**Q. pedunculata pendula**.
Syn., *Q. pedunculata Dauvessei*; *Q. pedunculata pendula Dauvessei*.
Planted, 1896. Half hardy.
Q. pedunculata pendula Dauvessei = *Q. pedunculata pendula*.
- 1815.—**Q. pedunculata pendula nova**.
Planted, 1897. Hardy.
- 1816.—**Q. pedunculata pendula pulverulenta**.
Planted, 1893. Half hardy.
- 1817.—**Q. pedunculata purpurascens**.
Syn., *Q. pedunculata atropurpurea*; *Q. pedunculata nigra*.
Planted, 1893. Half hardy.
- 1818.—**Q. pedunculata Thomasii**.
Syn., *Q. Thomasii, Ten.*
Planted, 1896. Half hardy.
- 1819.—**Q. pedunculata tricolor**.
Planted, 1896. Half hardy.
- 1820.—**Q. pedunculata umbraculifera Ligini**.
Planted, 1898.

QUERCUS—OAK—Continued.**QUERCINEAE**—Continued.

- 1821.—**Q. Phellos**, L. Willow Oak. United States.
Planted, 1897. Half hardy.
- 1822.—**Q. pinnatifida**, FRANCH. & SAV. Japan.
Planted, 1897. Winter killed.
- 1823.—**Q. Prinus**, L. Rock Chestnut Oak. Eastern North America.
Syn., *Q. Castanea, Hort.*
Planted, 1893. Hardy.
- 1824.—**Q. Prinus acuminata**.
Planted, 1897. Hardy.
- 1825.—**Q. Prinus monticola parvifolia**.
Planted, 1896. Hardy.
Q. Pseudo-aegilops, Hort. = *Q. lanuginosa, Thuill.*
- 1826.—**Q. Pseudo Turneri, Hort.**
Planted, 1899.
Q. pubescens, Willd. = *Q. lanuginosa, Thuill.*
Q. pyramidalis, Gmel. = *Q. pedunculata fastigiata*.
Q. pyrenaica, W. = *Q. Toza, Bosc.*
Q. ramosa, Booth = *Q. macrocarpa, Michx.*
Q. Robur, L. = *Q. pedunculata, Ehrh.*
Q. rubens, Hort. = *Q. sessiliflora, Salisb.*
- 1827.—**Q. rubra**, L. Red Oak. North America.
Planted, 1889. Hardy.
- 1828.—**Q. rubra aurea**. Golden-leaved Red Oak.
Planted, 1896. Hardy.
- 1829.—**Q. serrata**, THUNB. Japanese Silkworm Oak. China, Japan.
Planted, 1897. Half hardy.
- 1830.—**Q. sessiliflora**, SALISB. Europe, W. Asia.
Syn., *Q. rubens, Hort.*
Planted, 1898.
- 1831.—**Q. sessiliflora acuminata**.
Planted, 1897. Hardy.
- 1832.—**Q. sessiliflora alnoides**.
Planted, 1896. Half hardy.
- 1833.—**Q. sessiliflora cochleata**.
Planted, 1898.
- 1834.—**Q. sessiliflora dschorochensis**.
Syn., *Q. dschorochensis, C. Koch.*
Planted, 1896. Half hardy.
- 1835.—**Q. sessiliflora Esculus**.
Planted, 1896. Hardy.
- 1836.—**Q. sessiliflora falkenbergensis**.
Planted, 1898.
- 1837.—**Q. sessiliflora Giesleri**.
Planted, 1896. Hardy.
- 1838.—**Q. sessiliflora longifolia hybrida**.
Planted, 1898.
Q. sessiliflora Louettei = *Q. sessiliflora mespilifolia*.
- 1839.—**Q. sessiliflora macrocarpa**.
Planted, 1897. Hardy.

QUERCUS—OAK—*Concluded.***QUERCINEAE**—*Concluded.*

- 1840.—**Q. sessiliflora mespilifolia.**
Syns., *Q. pedunculata Louettei*; *Q. sessiliflora Louettei*.
 Planted, 1896. Half hardy.
- 1841.—**Q. sessiliflora pubescens.**
 Planted, 1897. Hardy.
Q. sessiliflora purpurea = *Q. sessiliflora rubicunda*.
- 1842.—**Q. sessiliflora rubicunda.**
Syn., *Q. sessiliflora purpurea*.
 Planted, 1896. Half hardy.
- 1843.—**Q. sessiliflora variet.**
 Planted, 1896. Hardy.
Q. sieboldiana, *Blume* = *Q. thalassica*, *Hance*.
- 1844.—**Q. species e Nikita.**
 Planted, 1896. Tender.
- 1845.—**Q. stellata**, *WANGENH.* Post or Iron Oak.
 United States.
Syn., *Q. obtusiloba*, *Michx.*
 Planted, 1897. Tender.
- 1846.—**Q. thalassica**, *HANCE.* Japan.
Syn., *Q. sieboldiana*, *Blume*.
 Planted, 1898.
Q. Thomasii, *Ten.* = *Q. pedunculata Thomasii*.
Q. tinctoria, *Michx.* = *Q. velutina*, *Lam.*
Q. tomentosa, *Kirchn.* = *Q. bicolor*, *Willd.*
- 1847.—**Q. Toza**, *BOSC.* South Western Europe.
Syn., *Q. pyrenaica*, *W.*
 Planted, 1898.
- 1848.—**Q. Toza comata.**
 Planted, 1898.
- 1849.—**Q. Toza comata pendula.**
 Planted, 1896. Tender.
- 1850.—**Q. velutina**, *LAM.* Black Oak. North America.
Syn., *Q. tinctoria*, *Michx.*
 Planted, 1893. Hardy.
- 1851.—**Q. ventricosa**, *BOOTH.*
 Planted, 1896. Hardy.
QUINCE. See **PYRUS.**

RAPHIOLEPIS.

- 1852.—**R. japonica**, *SIEB. & ZUCC.* Japan.
Syn., *R. ovata*, *Hort.*
 Planted, 1897. Winter killed.
R. ovata, *Hort.* = *R. japonica*, *Sieb. & Zucc.*
RASPBERRY. See **RUBUS.**
REDBUD. See **CERCIS.**

RHAMNUS—BUCKTHORN.

- 1853.—**R. Alaternus variegata.**
 Planted, 1895. Winter killed.

RHAMNUS—BUCKTHORN—*Concluded.*

- 1854.—**R. alnifolia**, *L'HERIT.* Alder-leaved Buckthorn. Canada. United States.
Syn., *R. franguloides*, *Michx.*
 Planted, 1897. Hardy.
- 1855.—**R. alpina**, *L.* Alps.
 Planted, 1896. Hardy.
- 1856.—**R. alpina grandifolia.**
 Planted, 1898.
- 1857.—**R. californica**, *ESCHSCH.* California.
 Planted, 1899.
- 1858.—**R. caroliniana**, *WALT.* Carolina Buckthorn. Southern United States.
 Planted, 1899.
- 1859.—**R. cathartica**, *L.* Common Buckthorn. Europe, Asia.
Syn., *R. cathartica Wicklia*.
 Planted, 1890. Hardy.
R. cathartica dahurica = *R. davurica*, *Pall.*
R. cathartica Wicklia = *R. cathartica*, *L.*
R. chlorophora, *Dcne.* = *R. tinctoria*, *Waldst. & Kit.*
- 1860.—**R. crenata**, *SIEB. & ZUCC.* Japan.
 Planted, 1896. Hardy.
- 1861.—**R. davurica**, *PALL.* Siberia to China.
Syns., *R. utilis*, *Dcne.*; *R. cathartica dahurica*, *Maxim.*
 Planted, 1899.
- 1862.—**R. Frangula**, *L.* Alder Buckthorn. Europe.
 Planted, 1890. Hardy.
- 1863.—**R. Frangula asplenifolia.**
 Planted, 1896. Hardy.
R. franguloides, *Michx.* = *R. alnifolia*, *L'Herit.*
- 1864.—**R. hybrida** *Billardi.*
 Planted, 1899.
- 1865.—**R. imerthina.**
 Planted, 1895. Half hardy.
- 1866.—**R. infectoria**, *L.* South Europe.
 Planted, 1896. Hardy.
- 1867.—**R. japonica**, *MAXIM.* Japan.
 Planted, 1894. Hardy.
- 1868.—**R. purshiana**, *DC.* California to British Columbia.
 Planted, 1899.
- 1869.—**R. upestris**, *SCOP.* Eastern Europe.
 Planted, 1898.
- 1870.—**R. saxatilis**, *L.* Europe.
 Planted, 1898.
- 1871.—**R. tinctoria**, *WALDST. & KIT.* Europe Asia.
Syn., *R. chlorophora*, *Dcne.*
 Planted, 1896. Hardy.
R. utilis, *Dcne.* = *R. davurica*, *Pall.*

RHODODENDRON.**AZALEASTRUM.**

- 1872.—**R. albiflorum**, HOOK. Northern Rocky Mountains, Oregon, and British Columbia.
Planted, 1896. Winter killed.

AZALEA.

- R. amoenum*, Planch. = *R. indicum amoenum*.
- 1873.—**R. calendulaceum**, TORR. Pennsylvania to Georgia.
Planted, 1896. Hardy.
- 1874.—**R. dauricum**, L. Dahuria to Mandshuria.
Planted, 1898.
- 1875.—**R. indicum**, SWEET. China and Japan.
Planted, 1896. Half hardy.
- 1876.—**R. indicum Kaempferi**.
Planted, 1896. Hardy.
- 1877.—**R. ledifolium**, G. DON. Japan and China.
Syn., *R. mucronatum*.
Planted, 1896. Hardy.
R. mucronatum = *R. ledifolium*, G. Don.
- 1878.—**R. nudiflorum**, TORR. Canada to Florida and Texas.
Planted, 1898. Hardy.
- 1879.—**R. rhombicum**, MIQ. Japan.
Planted, 1896. Tender.
- 1880.—**R. sinense**, SWEET. China and Japan.
Planted, 1896. Hardy.
- 1881.—**R. viscosum**, TORR. North America.
Planted, 1896. Hardy.

EURHODODENDRON.

- 1882.—**R. arbutifolium**, HORT.
Planted, 1898.
- 1883.—**R. ferrugineum**, L. Alps of Europe.
Planted, 1898.
- 1884.—**R. ferrugineum album**.
Planted, 1898.
- 1885.—**R. hirsutum**, L. Alps of Europe.
Planted, 1898.
- 1886.—**R. maximum**, L. North America.
Planted, 1896. Hardy.
- 1887.—**R. myrtifolium**, LODD. Garden origin.
Planted, 1898.
- 1888.—**R. ponticum**, L. Spain, Portugal, Asia Minor.
Planted, 1896. Winter killed.
- 1889.—**R. praecox**, CARR. Garden origin.
Planted, 1898.
- 1890.—**R. gowenianum**, SWEET. Garden origin.
Planted, 1898.

RHODOTYPOS.

- 1891.—**R. kerrioides**, SIEB. & ZUCC. China and Japan.
Planted, 1897. Half hardy.

RHUS—SUMACH.

- 1892.—**R. aromatica**, L. Fragrant Sumach. United States. Eastern Canada.
Planted, 1893. Hardy.
- 1893.—**R. copallina**, L. Dwarf Sumach. United States, Ontario.
Planted, 1899.
R. coriaria, Hort. = *R. typhina*, L.
- 1894.—**R. cotinoides**, NUTT. American Smoke Tree. Southern United States.
Planted, 1895. Hardy.
- 1895.—**R. Cotinus**, L. Smoke Tree. Europe.
Planted, 1890. Half hardy. Some specimens hardy.
- 1896.—**R. Cotinus atropurpurea**.
Planted, 1899. Half hardy.
- 1897.—**R. Cotinus pendula**.
Planted, 1896. Hardy.
- 1898.—**R. glabra**, L. Smooth Sumach. Canada, United States.
Planted, 1897. Hardy.
- 1899.—**R. glabra laciniata**.
Planted, 1898. Half hardy on other parts of the grounds.
- 1900.—**R. Osbeckii**, DC. China and Japan.
Planted, 1897. Tender.
- 1901.—**R. Toxicodendron**, L. Poison Ivy. North America and Japan.
Growing naturally. Hardy.
- 1902.—**R. trilobata**, NUTT. Ill-scented Sumach. Western North America.
Planted, 1896. Half hardy.
- 1903.—**R. typhina**, L. Staghorn Sumach. Eastern Canada and United States.
Syn., *R. coriaria*, Hort.
Planted, 1890. Hardy.

RIBES—CURRANT, GOOSEBERRY.

- R. affine*, Dougl. = *R. laxiflorum*, Pursh.
R. albidum Paxt. = *R. sanguineum albidum*.
- 1904.—**R. alpinum**, L. Mountain Currant. Northern Hemisphere.
Planted, 1890. Hardy.
- 1905.—**R. alpinum feminum**.
Planted, 1898.
- 1906.—**R. alpinum masculum**.
Planted, 1898.
- 1907.—**R. alpinum microphyllum**.
Planted, 1898.
- 1908.—**R. alpinum pumilum**.
Planted, 1898.
- 1909.—**R. alpinum pumilum aureum**.
Planted, 1899.
- 1910.—**R. alpinum sterile**.
Syn., *R. sterile*, Hort.
Planted, 1896. Hardy.
- 1911.—**R. americanum**, MILL. Wild Black Currant. North America.
Syn., *R. floridum*, L'Herit.
Planted, 1896. Hardy.

RIBES—Continued.

- 1912.—**R. aureum**, PURSH. Missouri Currant.
Western North America
Planted, 1896. Hardy.
- 1913.—**R. aureum acerifolium**.
Planted, 1896. Hardy.
- 1914.—**R. aureum fructu rubro**.
Planted, 1896. Hardy.
- 1915.—**R. aureum ginkgifolium**.
Planted, 1896. Hardy.
- 1916.—**R. aureum leiobotrys**.
Planted, 1896. Hardy.
- 1917.—**R. aureum praecox**.
Planted, 1899.
- 1918.—**R. aureum tenuiflorum**.
Planted, 1899.
- 1919.—**R. bracteosum**, DOUGL. Western North America.
Planted, 1896. Tender.
R. caucasicum, Bieb. = *R. petraeum*, Wulf.
- 1920.—**R. cereum**, DOUGL. White-flowered Currant. Western United States.
Planted, 1899.
- 1921.—**R. cynosbati**, L. Wild Gooseberry.
Eastern Canada and United States.
Planted, 1898. Hardy.
- 1922.—**R. cynosbati x Warrington**, SAUNDERS.
Planted, 1895. Hardy.
- 1923.—**R. diacantha**, PALL. Siberia.
Planted, 1895. Hardy.
- 1924.—**R. divaricatum**, DOUGL. Western North America.
Planted, 1896. Half hardy.
- 1925.—**R. fasciculatum**, SIEB. & ZUCC. Japan.
Planted, 1899.
R. floridum, L'Herit. = *R. americanum*, Mill.
- 1926.—**R. gracile**, MICHX. Missouri Gooseberry.
North America.
Syn., *R. niveum*, Lindl.
Planted, 1896. Hardy.
- 1927.—**R. gordonianum**, LEM. (**R. sanguineum x aureum**). Garden origin.
Planted, 1896. Half hardy.
- 1928.—**R. Grossularia**, L. Common Gooseberry,
Garden Gooseberry.
Planted, 1899.
- 1929.—**R. intermedium**, HORT.
Planted, 1896. Hardy.
R. irriguum, Dougl. = *R. oxyacanthoides*, L.
North America.
- 1930.—**R. lucustre**, POIR. Swamp Gooseberry.
North America.
Planted, 1896. Half hardy.
- 1931.—**R. laxiflorum**, PURSH. Western United States.
Syn., *R. affine*, Dougl.
Planted, 1899.
R. macrobotrys, Hort. = *R. petraeum*, Wulf.

RIBES—Concluded.

- 1932.—**R. Menziesii**, PURSH. California.
Planted, 1899.
- 1933.—**R. nigrum**, L. Black Currant. North Europe, North Asia.
Planted, 1897. Hardy.
- 1934.—**R. nigrum aconitifolium**.
Planted, 1896. Hardy.
- 1935.—**R. nigrum apiifolium**.
Planted, 1896. Hardy.
- 1936.—**R. nigrum fol. aureis variegatis**.
Planted, 1897. Hardy.
- 1937.—**R. nigrum fructu luteo**.
Planted, 1896. Hardy.
- 1938.—**R. nigrum heterophyllum**.
Planted, 1897. Hardy.
R. niveum, Lindl. = *R. gracile*, Michx.
- 1939.—**R. oxyacanthoides**, L. Hawthorn or Northern Gooseberry. North America.
Syn., *R. irriguum*, Dougl.
Planted, 1896. Hardy.
- 1940.—**R. petraeum**, WULF. Europe.
Syn., *R. macrobotrys*, Hort.
Planted, 1896. Hardy.
- 1941.—**R. prostratum**, L'HERIT. Fetid Currant.
North America.
Planted, 1896. Hardy.
- 1942.—**R. robustum**, HORT. Origin unknown.
Planted, 1899.
- 1943.—**R. rotundifolium**, MICHX. Eastern Wild Gooseberry. Eastern United States.
Planted, 1896. Hardy.
- 1944.—**R. rubrum**, L. Red Currant. Northern Hemisphere.
Planted, 1896. Hardy.
- 1945.—**R. rubrum fol. aureo-marginatis**.
Planted, 1897. Hardy.
- 1946.—**R. sanguineum**, PURSH. British Columbia, California.
Planted, 1897. Tender.
- 1947.—**R. sanguineum albidum**.
Syn., *R. albidum*, Paxt.
Planted, 1898.
- 1948.—**R. sanguineum carneum**.
Syn., *R. sanguineum carneum grandiflorum*.
Planted, 1897. Tender.
R. sanguineum carneum grandiflorum = *R. sanguineum carneum*.
- 1949.—**R. sanguineum flore pleno**.
Planted, 1897. Tender.
- 1950.—**R. sanguineum fontenayense**.
Planted, 1898.
- 1951.—**R. stenocarpum**, MAXIM. China.
Planted, 1899.
R. sterile, Hort. = *R. alpinum sterile*.
Planted, 1896. Hardy.
- 1952.—**R. striatum**.
Planted, 1896. Hardy.

ROBINIA—LOCUST-TREE.

- 1953.—*R. hispida*, L. Rose Acacia. South United States.
Planted, 1896. Half hardy.
- 1954.—*R. hispida macrophylla*.
Planted, 1896. Half hardy.
- 1955.—*R. neo-mexicana*, A. GRAY. Mexico.
Planted, 1895. Hardy.
- 1956.—*R. Pseudacacia*, L. Locust-tree or False Acacia. Eastern United States.
Planted, 1890. Hardy.
- 1957.—*R. Pseudacacia amorphifolia*.
Planted, 1897. Hardy.
- 1958.—*R. Pseudacacia amorphifolia angustifolia elegans*.
Planted, 1896. Hardy.
- 1959.—*R. Pseudacacia aurea*.
Planted, 1897. Hardy.
- 1960.—*R. Pseudacacia bessoniana*.
Planted, 1897. Hardy.
- 1961.—*R. Pseudacacia Camuseti*.
Planted, 1899.
- 1962.—*R. Pseudacacia caroliniana*.
Planted, 1899.
- 1963.—*R. Pseudacacia coluteoides*.
Planted, 1898.
- 1964.—*R. Pseudacacia crispa*.
Planted, 1897. Hardy.
- 1965.—*R. Pseudacacia cylindrica*.
Planted, 1897. Hardy.
- 1966.—*R. Pseudacacia decaisneana*.
Planted, 1897. Died. Re-planted, 1899.
- 1967.—*R. Pseudacacia dubia*.
Planted, 1897. Died. Re-planted, 1899.
- 1968.—*R. Pseudacacia echinata*.
Planted, 1897. Half hardy.
- 1969.—*R. Pseudacacia fastigiata*.
Syn., *R. Pseudacacia pyramidalis*.
Planted, 1897. Tender.
- 1970.—*R. Pseudacacia fol. argenteis variegatis*. Silver-leaved Locust.
Planted, 1899.
- 1971.—*R. Pseudacacia formosissima*.
Planted, 1897. Hardy.
- 1972.—*R. Pseudacacia glaucescens*.
Planted, 1897. Half hardy.
- 1973.—*R. Pseudacacia Gonduni*.
Planted, 1897. Died. Re-planted, 1899.
- 1974.—*R. Pseudacacia heterophylla*.
Planted, 1897. Died. Re-planted, 1899.
- 1975.—*R. Pseudacacia inermis*.
Planted, 1897. Hardy.
- 1976.—*R. Pseudacacia inermis latifolia*.
Planted, 1899.
- 1977.—*R. Pseudacacia monophylla fastigiata*.
Planted, 1897. Half hardy.
- 1978.—*R. Pseudacacia monophylla pendula*.
Planted, 1899.

ROBINIA—LOCUST-TREE—Concluded.

- 1979.—*R. Pseudacacia monstrosa*.
Planted, 1897. Died. Re-planted, 1899.
- 1980.—*R. Pseudacacia myrtifolia*.
Planted, 1897. Half hardy.
- 1981.—*R. Pseudacacia patula*.
Planted, 1897. Died. Re-planted, 1899.
- 1982.—*R. Pseudacacia pendula*.
Planted, 1897. Hardy.
- 1983.—*R. Pseudacacia pendulifolia*.
Planted, 1898.
- 1984.—*R. Pseudacacia pendulifolia purpurea*.
Planted, 1897. Hardy.
R. Pseudacacia pyramidalis=*R. Pseudacacia fastigiata*.
- 1985.—*R. Pseudacacia robusta Vignei*.
Planted, 1897. Died. Re-planted, 1899.
- 1986.—*R. Pseudacacia rosea*.
Planted, 1897. Hardy.
- 1987.—*R. Pseudacacia semperflorens*.
Planted, 1896. Hardy.
- 1988.—*R. Pseudacacia stricta*.
Planted, 1897. Hardy.
- 1989.—*R. Pseudacacia tortuosa*.
Syn., *R. tortuosa*, Hoffmgg.
Planted, 1896. Half hardy.
- 1990.—*R. Pseudacacia tortuosa elegans*.
Planted, 1897. Hardy.
- 1991.—*R. Pseudacacia tortuosa microphylla*.
Planted, 1897. Hardy.
- 1992.—*R. Pseudacacia ulriciana*.
Planted, 1897. Hardy.
R. tortuosa, Hoffmgg. = *R. Pseudacacia tortuosa*.
- 1993.—*R. viscosa*, VENT. Clammy Locust.
South United States.
Planted, 1894. Hardy.
- 1994.—*R. viscosa bella rosea*.
Planted, 1897. Hardy.
ROCK-ROSE. See *HELIANTHEMUM*.

ROSA—ROSE.

- 1995.—*R. acicularis*, LINDL. Prickly Rose.
Siberia.
Planted, 1897. Hardy.
- 1996.—*R. agrestis*, SAVI. Europe.
Planted, 1899.
- 1997.—*R. alba*, L. (? *R. canina* x *gallica*).
Europe.
Planted, 1897. Hardy.
- 1998.—*R. alpina*, L. Europe.
Planted, 1897. Hardy.
- 1999.—*R. arkansana*, PORTER. Arkansas Rose.
Canada, United States.
Planted, 1898.
R. Bakeri=*R. canina Bakeri*.

ROSA—ROSE—Continued.

- 2000.—**R. blanda**, AIT. Smooth or Meadow Rose. North America. Planted, 1896. Hardy.
- 2001.—**R. beggeriana**, SCHRENK. Asia. Planted, 1897. Hardy.
- 2002.—**R. bracteata**, WENDL. China. Planted, 1897. Winter killed.
- 2003.—**R. californica**, CHAM. & SCHLECHT. Western North America. Planted, 1899.
- 2004.—**R. canina**, L. Dog Rose. North Temperate Zone. Planted 1899.
- 2005.—**R. canina arvatica**. Planted, 1899.
- 2006.—**R. canina Bakeri**.
Syn., *R. Bakeri*.
Planted, 1896. Half hardy.
- 2007.—**R. canina macrantha**.
Syn., *R. macrantha*, Desf.
Planted, 1897. Hardy.
- 2008.—**R. carolina**, L. Swamp Rose. North America. Planted, 1897. Hardy.
- 2009.—**R. cinnamomea**, L. Cinnamon Rose. North Temperate Zone. Planted, 1894. Hardy.
- 2010.—**R. cinnamomea kamtschatica**.
Syn., *R. kamtschatica*, Vent.
Planted, 1897. Hardy.
- 2011.—**R. cinnamomea sibirica**. Planted, 1897. Hardy.
- 2012.—**R. ferruginea**, VILL. Purple-leaved Rose. Mountains of Europe.
Syn., *R. rubrifolia*, Vill.
Planted, 1895. Hardy.
- 2013.—**R. ferruginea livida**. Planted, 1894. Hardy.
- 2014.—**R. glauca**, VILL. Europe. Planted, 1897. Hardy.
- 2015.—**R. indica Sieboldii**. Planted, 1897. Winter killed.
- 2016.—**R. Jundzilli**, BESSER. Europe. Planted, 1899.
R. kamtschatica, Vent. = *R. cinnamomea kamtschatica*.
- 2017.—**R. laevigata**, MICHX. China. Planted, 1897. Winter killed.
- 2018.—**R. lucida**, EHRH. North America. Planted, 1894. Hardy.
- 2019.—**R. lucida grandiflora**. Planted, 1899.
R. macrantha, Desf. = *R. canina macrantha*.
- 2020.—**R. Mary Arnott**. (*R. rugosa* x *Prince Camille de Rohan*). Planted, 1897. Half hardy.
- 2021.—**R. microphylla**, ROXB. China. Planted, 1897. Hardy.

ROSA—ROSE—Continued.

- 2022.—**R. multiflora**, THUNB. China and Japan.
Syn., *R. polyantha*, Sieb.
Planted, 1898.
- 2023.—**R. multiflora japonica**. Planted, 1896. Hardy.
- 2024.—**R. nitida**, WILLD. North-eastern Rose. North America. Planted, 1899.
- 2025.—**R. nutkana**, PRESL. North America. Planted, 1899.
- 2026.—**R. omisa**, DESEGL. Europe. Planted, 1899.
R. pimpinellifolia, L. = *R. spinosissima*, L.
- 2027.—**R. Pissardi**. Planted, 1895. Winter killed. Re-planted, 1899.
R. polyantha, Sieb. = *R. multiflora*, Thunb.
- 2028.—**R. pomifera**, HERRM. Europe. Planted, 1899.
- 2029.—**R. repens**, SCOP. Europe. Planted, 1899.
- 2030.—**R. repens Andersoni**. Planted, 1899.
- 2031.—**R. repens capreolata**. Planted, 1899.
- 2032.—**R. rubiginosa**, L. Sweetbriar. Europe. Planted, 1889. Half hardy.
- 2033.—**R. rubiginosa major**. Planted, 1897. Hardy.
R. rubrifolia, Vill. = *R. ferruginea*, Vill.
- 2034.—**R. rugosa**, THUNB. Japanese Rose. Japan. Planted, 1889. Hardy.
- 2035.—**R. rugosa alba**. Planted, 1889. Hardy.
- 2036.—**R. rugosa flore pleno**. Planted, 1896. Hardy.
- 2037.—**R. rugosa hybrida Blanche Double de Coubert**. Planted, 1897. Hardy.
- 2038.—**R. rugosa Mikado**. Planted, 1899.
- 2039.—**R. rugosa. Souvenir de Chr. Cochet**. Planted, 1899.
- 2040.—**R. rugosa. Souvenir de F. Leperdrieux**. Planted, 1899.
- 2041.—**R. Sayi**, SCHIVEIN. North America. Planted, 1897. Hardy.
- 2042.—**R. setigera**, MICHX. Prairie Rose. North America. Planted, 1896. Half hardy.
- 2043.—**R. spinosissima**, L. Burnet-leaved Rose. Europe and Siberia.
Syn., *R. pimpinellifolia*, L.
Planted, 1896. Half hardy.

ROSA—ROSE—*Concluded.*

- 2044.—**R. spinosissima altaica.**
Planted, 1899.
- 2045.—**R. spinosissima picta.**
Planted, 1897. Hardy.
- 2046.—**R. spinosissima pusilla.**
Planted, 1895. Hardy.
- 2047.—**R. stylosa**, DESV. South England.
Planted, 1899.
- 2048.—**R. tomentosa**, SM. Downy-leaved Rose.
Europe.
Planted, 1899.
- 2049.—**R. villosa pomifera.**
Planted, 1896. Hardy.
- 2050.—**R. watsoniana**, CREP. Japan.
Planted, 1896. Winter killed.
- 2051.—**R. wichuriana**, CREP. China and Japan.
Planted, 1896. Winter killed.
- 2052.—**R. Woodsii**, LINDE. North America.
Planted, 1896. Hardy.
- ROSE. See ROSA.
ROWAN TREE. See PYRUS.

RUBUS—RASPBERRY, BLACKBERRY, DEWBERRY.

- 2053.—**R. australis**, FORST. New Zealand.
Planted, 1899.
- 2054.—**R. balfourianus**, BLOX. Europe.
Planted, 1899.
- 2055.—**R. Bellardi**, WEIHE. Europe.
Planted, 1899.
- 2056.—**Rubus biflorus**, BUCHAN. Temperate
Himalaya.
Planted, 1899.
- 2057.—**R. caesius**, L. Europe.
Planted, 1899.
- 2058.—**R. caesius turkestanicus.**
Planted, 1899.
- 2059.—**R. corylifolius**, SM. Europe.
Planted, 1899.
- 2060.—**R. canadensis**, L. Low Running Black-
berry. Dewberry. North America.
Planted, 1899.
- 2061.—**R. crataegifolius**, BUNGE. North-east
Asia and Japan.
Planted, 1899.
- 2062.—**R. deliciosus**, JAMES. Rocky Mountains.
Planted, 1899.
R. fruticosus albus = *R. thyrsoides flore pleno*.
- 2063.—**R. fruticosus fol. variegatis.**
Planted, 1899.
- 2064.—**R. incisus**, THUNB. China and Japan
Planted, 1897. Tender.
- 2065.—**R. laciniatus**, WILLD. Garden origin.
Planted, 1897. Tender.
- 2066.—**R. longithyriger**, LEES. Britain.
Planted, 1899.

RUBUS—*Concluded.*

- 2067.—**R. melanolasius**, FOCKE. North America.
Planted, 1899.
- 2068.—**R. nobilis**, REGL. (*R. odoratus* &
Idaeus). Garden origin.
Planted, 1897. Tender.
- 2069.—**R. nutkanus**, Moc. White-flowering
Raspberry.
Planted, 1889. Tender.
- 2070.—**R. occidentalis**, L. Black Raspberry.
North-west America.
Planted, 1896. Hardy.
- 2071.—**R. odoratus**, L. Purple-flowering Rasp-
berry. North America.
Planted, 1889. Hardy.
- 2072.—**R. parvifolius**, L. China and Japan.
Syn., *R. triphyllus* Thunb.
Planted, 1896. Half hardy.
- 2073.—**R. phoenicolasius**, MAXIM. China and
Japan.
Planted, 1899.
- 2074.—**R. sorbifolius**, MAXIM. China and Japan.
Planted, 1899.
- 2075.—**R. suberectus**, ANDERS. Europe.
Planted, 1899.
- 2076.—**R. strigosus**, MICHX. North America.
Growing wild. Hardy.
- 2077.—**R. thyrsoides flore pleno.**
Syn., *R. fruticosus albus*.
Planted, 1897. Tender.
R. triphyllus, Thunb. = *R. parvifolius*, L.
- 2078.—**R. vestitus**, HORT.
Planted, 1899.
- 2079.—**R. villosus**, AIT. High Bush Blackberry.
North America.
Growing wild. Hardy.
- 2080.—**R. villosus flore pleno.**
Planted, 1897. Tender.
- 2081.—**R. xanthocarpus**, BUR. & FRANCH.
Planted, 1899.

SALIX—WILLOW.

- S. acuminata*, Sm. = *S. smithiana acuminata*.
- S. acutifolia*, Willd. = *S. daphnoides*, Willd.
Planted, 1896. Hardy.
- 2082.—**S. adenophylla**, Hook. Furry Willow.
Labrador.
Planted, 1896. Hardy.
- 2083.—**S. alba**, L. White Willow. Europe.
Asia, North Africa.
Planted, 1899. Hardy.
- 2084.—**S. alba argentea**. Silvered White Wil-
low.
Syn., *S. regalis*, Hort.
Planted, 1897. Hardy.
- 2085.—**S. alba aurantiaca.**
Planted, 1896. Hardy.

SALIX—WILLOW—*Continued*—

- 2086.—**S. alba britzensis.**
Planted, 1896. Hardy.
- 2087.—**S. alba flava.** Yellow White Willow.
Planted, 1896. Hardy.
- 2088.—**S. alba nova.** New White Willow.
Planted, 1896. Hardy.
- 2089.—**S. alba pendula nova.** Pendulous White Willow.
Planted, 1899.
- 2090.—**S. alba purpurea.**
Planted, 1896. Hardy.
- 2091.—**S. alba vitellina.**
Planted, 1896. Hardy.
- 2092.—**S. alba vitellina flava.**
Planted, 1896. Hardy.
- 2093.—**S. alba vitellina nova.**
Planted, 1896. Hardy.
- 2094.—**S. ambigua,** EHRR. Europe.
Planted, 1899.
S. amplexicaulis, Bory, & Chaub. = *S. purpurea*, L.
- 2095.—**S. amygdalina discolor.**
Planted, 1899.
- 2096.—**S. amygdalina lurida.**
Planted, 1899.
- 2097.—**S. amygdalina pallida.**
Planted, 1899.
S. ansoniana, Forbes = *S. nigricans ansoniana*.
- 2098.—**S. argenteo-aurita,** HORT. (**S. alba x fragilis** ?).
Planted, 1896. Hardy.
- 2099.—**S. aurita x viminalis.** Europe.
Syn., *S. fruticosa*, Doell.
Planted, 1899.
- 2100.—**S. babylonica,** L. Babylonian Weeping Willow. Japan.
Planted, 1896. Hardy.
- 2101.—**S. babylonica annularis.** Annular Babylonian Willow.
Planted, 1890. Half hardy.
S. basfordiana, Salter = *S. fragilis basfordiana*.
- 2102.—**S. Bataviae,** HORT. (**S. nigricans forma** ?).
Planted, 1896. Hardy.
S. bicolor, Ehrh. = *S. phyllifolia*, L.
- 2103.—**S. blanda,** ANDERSS. (**S. babylonica x fragilis**).
Planted, 1896. Hardy.
S. britzensis = *S. alba britzensis*.
- 2104.—**S. caesia,** VILL. Grey-leaved Willow. Mountains of Switzerland, Tyrol, and South-western Europe.
Planted, 1899.
- 2105.—**S. caesia pendula** Zabeli.
Planted, 1896. Hardy.

SALIX—WILLOW—*Continued*.

- 2106.—**S. candida femina,** FLUEGGE. Hoary Willow. North America.
Planted, 1889. Hardy.
- 2107.—**S. candida, mascula.**
Planted, 1899.
- 2108.—**S. candicans,** HORT.
Planted, 1899.
- 2109.—**S. Caprea,** L. Goat Willow. Europe, North Asia.
Planted, 1899.
- 2110.—**S. Caprea pendula.** Kilmarnock Weeping Willow.
Planted, 1890. Half hardy.
- 2111.—**S. Caprea x cinerea.**
Planted, 1899.
- 2112.—**S. chlorophylla,** ANDERSS. North America.
Planted, 1896. Hardy.
- 2113.—**S. cinerea,** L. Europe, North and West Asia.
Planted, 1896. Hardy.
- 2114.—**S. cinerea aquatica.**
Planted, 1899.
- 2115.—**S. cinerea Medemii.**
Syn., *S. Medemii*, Bois.
Planted, 1899.
- 2116.—**S. cinerea x acuminata.**
Planted, 1896. Hardy.
- 2117.—**S. cinerea-repens.**
Planted, 1896. Hardy.
- 2118.—**S. cinerea x viminalis.**
Planted, 1899.
- 2119.—**S. cordata,** MUHL. Heart-leaved Willow. Northern and Arctic America.
Planted, 1896. Hardy.
- 2120.—**S. cordata pendula.** Pendulous Heart-leaved Willow.
Syn., *S. rigida pendula*.
Planted, 1894. Hardy.
- 2121.—**S. cordata rigida.** Rigid Heart-leaved Willow.
Planted, 1899.
- 2122.—**S. cordata vestita.**
Planted, 1896. Hardy.
S. cotinifolia, Syme = *S. nigricans cotinifolia*.
- 2123.—**S. cuspidata,** SCHULTZ. Europe.
Planted, 1896. Hardy.
- 2124.—**S. daphnoides (fem.).** VILL. Violet Willow. Europe.
Syn., *S. acutifolia*, Willd.
Planted, 1896. Hardy.
- 2125.—**S. daphnoides acutifolia.**
Planted, 1899.
- 2126.—**S. daphnoides jaspidea.**
Planted, 1899.
- 2127.—**S. daphnoides mascula.**
Planted, 1899.

SALIX—WILLOW—Continued.

- 2128.—**S. daphnoides pomeranica femina.**
Planted, 1896. Hardy.
- 2129.—**S. daphnoides pomeranica mascula.**
Planted, 1896. Hardy.
S. dasyclados, Wimm. = *S. smithiana acuminata*.
- 2130.—**S. decipiens**, HOFFM. White Welsh Willow. Europe.
Planted, 1896. Hardy.
- 2131.—**S. discolor femina**, MUHL. Glauous Willow. North America.
Planted, 1889. Hardy.
- 2132.—**S. doniana**, SM. Rusty-branched Willow. Europe.
Planted, 1899.
S. Elaeagnos, Scop. = *S. incana*, Schrank.
- 2133.—**S. elegantissima**, C. KOCH. Origin uncertain.
Planted, 1896. Hardy.
- 2134.—**S. elegantissima pendula.**
Syn., *S. Sieboldii pendula*.
Planted, 1894. Hardy.
S. forbyana, Wimm. = *S. rubra forbyana*.
- 2135.—**S. fragilis**, L. Crack Willow, Brittle Willow. Europe, N. and W. Asia.
Syn., *S. russelliana*, Sm.
Planted, 1899.
- 2136.—**S. fragilis ammaniana.**
Planted, 1896. Hardy.
- 2137.—**S. fragilis basfordiana.**
Syn., *S. basfordiana*, Salter.
Planted, 1896. Hardy.
- 2138.—**S. fragilis latifolia.**
Syn., *S. fragilis monspeliensis*.
Planted, 1899.
S. fragilis monspeliensis = *S. fragilis latifolia*.
S. fruticosa, Doell. = *S. aurita* × *viminalis*.
- 2139.—**S. glauca**, L. Northern Willow. Alpine and Arctic regions of Northern Hemisphere.
Planted, 1896. Hardy.
- 2140.—**S. hastata**, L. Mountains of Europe and N. Asia.
Planted, 1899.
- 2141.—**S. Helix pyramidalis.**
Planted, 1899.
- 2142.—**S. hexandra**, EHRH. Europe.
Planted, 1899.
- 2143.—**S. hippophaifolia**, THUILL. Sea-buckthorn-leaved Willow. Europe.
Planted, 1899.
- 2144.—**S. hippophaifolia undulata.**
Planted, 1896. Hardy.
S. holosericea, Willd. = *S. smithiana velutina*.
- 2145.—**S. hookeriana**, BARRATT. N. America.
Planted, 1899.
S. hoppeana, Willd. = *S. triandra*, L.

SALIX—WILLOW—Continued.

- 2146.—**S. hoyeriana.**
Planted, 1897. Hardy.
- 2147.—**S. incana femina**, SCHRANK. Hoary-leaved Willow. Europe.
Syn., *S. Elaeagnos*, Scop.
Planted, 1899.
- 2148.—**S. japonica**, THUNB. Japan Willow. Japan.
Planted, 1899.
- 2149.—**S. japonica Lavalléi.**
Planted, 1897. Half hardy.
S. lanceolata, Sm. = *S. undulata*, Ehrh.
- 2150.—**S. Lapponum helvetica.** Laplander's Willow.
Planted, 1899.
- 2151.—**S. lasiandra**, BENTH. Western United States.
Planted, 1896. Hardy.
- 2152.—**S. lasiandra lancifolia.**
Planted, 1899.
S. laurifolia, Wesmael = *S. pentandra*, L.
- 2153.—**S. laurina**, SM. Laurel-leaved Willow. Europe.
Planted, 1899.
- 2154.—**S. longifolia**, MUHL. Long-leaved Willow, Sandbar Willow. North America.
Planted, 1899.
- 2155.—**S. longifolia argyrophylla.**
Planted, 1899.
- 2156.—**S. lucida**, MUHL. Shining Willow. North America.
Syn., *S. myricoides*, Hort.
Planted, 1896. Hardy.
S. Medemii, Boiss. = *S. cinerea Medemii*.
- 2157.—**S. mollissima**, EHRH. Europe.
Planted, 1896. Hardy.
- 2158.—**S. mutabilis**, HORT. Europe.
Planted, 1899.
S. myricoides, Hort. = *S. lucida*, Muhl.
- 2159.—**S. myrtilloides**, L. Bog Willow. Northern Hemisphere.
Planted, 1896. Hardy.
- 2160.—**S. Nicholsoni**, DIECK. Nicholson's Willow. North America.
Planted, 1896. Hardy.
- 2161.—**S. Nicholsoni purpurascens.**
Planted, 1896. Hardy.
- 2162.—**S. nigra**, MARSH. Black Willow. North America.
Planted, 1899.
- 2163.—**S. nigra falcata.**
Planted, 1899.
- 2164.—**S. nigricans**, SM. Dark Broad-leaved Willow. Alps or North and Central Europe.
Planted, 1896. Hardy.

SALIX—WILLOW—*Continued.*

- 2165.—**S. nigricans ansoniana.**
Syn., *S. ansoniana*, Forbes.
Planted, 1896. Hardy.
- 2166.—**S. nigricans australis.**
Planted, 1899.
- 2167.—**S. nigricans cotinifolia.**
Syn., *S. cotinifolia*, Syme,
Planted, 1899.
- 2168.—**S. nigricans damascena.**
Planted, 1896. Hardy.
- 2169.—**S. nigricans firma.**
Planted, 1899.
- 2170.—**S. nigricans forsteriana.**
Planted, 1899.
- 2171.—**S. nigricans grisonensis.**
Planted, 1899.
- 2172.—**S. nigricans hirta.**
Planted, 1899.
- 2173.—**S. nigricans menthifolia.**
Planted, 1899.
- 2174.—**S. nigricans parvifolia.**
Planted, 1896. Hardy.
- 2175.—**S. nigricans petraea.**
Planted, 1899.
- 2176.—**S. nigricans prunifolia.**
Planted, 1899.
- 2177.—**S. nigricans rivularis.**
Planted, 1899.
- 2178.—**S. nigricans rupestris.**
Planted, 1899.
- 2179.—**S. nigricans stylaris.**
Planted, 1899.
- 2180.—**S. nigricans vallesiaca.**
Planted, 1899.
- 2181.—**S. nigricans vaudensis.**
Planted, 1899.
- 2182.—**S. nigricans viburnoides.**
Planted, 1896. Hardy.
- 2183.—**S. patula**, SERINGE. Europe.
Planted, 1898. Hardy.
- 2184.—**S. pellita**, ANDERSS.
Planted, 1896. Half hardy.
- 2185.—**S. pentandra**, L. Laurel-leaved Willow.
Europe, N. Asia.
Syn., *S. laurifolia*, Wesmael.
Planted, 1890. Hardy.
- 2186.—**S. pentandra gloriosa.**
Syn., *S. laurifolia gloriosa.*
Planted, 1890. Hardy.
- 2187.—**S. petiolaris**, SM. Slender Willow.
North America.
Planted, 1896. Hardy.
- 2188.—**S. petiolaris sericea.**
Syn., *S. sericea*, Marsh.
Planted, 1899.

SALIX—WILLOW—*Continued.*

- 2189.—**S. Petzoldi**, HORT. (*S. babylonica* x *fragilis*).
Planted, 1899.
- 2190.—**S. phylicifolia**, L. Tea-leaved Willow.
Alps of Northern and Central Europe.
Syn., *S. bicolor*, Ehrh.
Planted, 1896. Hardy.
- 2191.—**S. phylicifolia borrieriana.**
Planted, 1899.
- 2192.—**S. phylicifolia laweana.**
Planted, 1896. Hardy.
- 2193.—**S. phylicifolia laxiflora.**
Planted, 1899.
- 2194.—**S. phylicifolia phillyreifolia.**
Planted, 1899.
- 2195.—**S. phylicifolia tetrapla.**
Planted, 1899.
- 2196.—**S. phylicifolia weigeliana.**
Planted, 1899.
S. pontederana, Schleich = *T. purpurea*, L.
Planted, 1896. Hardy.
- 2197.—**S. purpurea**, L. Purple Willow. Europe,
Central and North Asia.
Syns., *S. amplexicaulis*, Bory & Chaub; *S. pontederana*, S.
Planted, 1897. Hardy.
- 2198.—**S. purpurea Kerksi.**
Planted, 1899.
- 2199.—**S. purpurea lambertiana.**
Planted, 1896. Hardy.
- 2200.—**S. purpurea mirabilis.**
Planted, 1899.
- 2201.—**S. purpurea pendula.**
Planted, 1899.
- 2202.—**S. purpurea scharfenbergensis.**
Planted, 1896. Hardy.
- 2203.—**S. purpurea uralensis.**
Planted, 1896. Hardy.
- 2204.—**S. pyrifolia**, ANDERSS. North America.
Planted, 1899.
S. regalis, Hort. = *S. alba argentea*.
- 2205.—**S. repens**, L. Europe, North Asia.
Planted, 1899.
- 2206.—**S. repens argentea.**
Planted, 1896. Hardy.
S. rigida pendula = *S. cordata pendula*.
- 2207.—**S. rosmarinifolia**, L. Rosemary-leaved
Willow. Europe.
Planted, 1890. Hardy.
- 2208.—**S. rubra**, HUDS. Red Willow. Europe.
Planted, 1899.
- 2209.—**S. rubra forbyana.**
Syn., *S. forbyana*, Wimm.
Planted, 1899.
S. russelliana, Sm. = *S. fragilis*, L.
S. sericea, Marsh = *S. petiolaris sericea*.

SALIX—WILLOW—Concluded.

- 2210.—**S. seringiana**, GAND. Europe.
Planted, 1896. Hardy.
- 2211.—**S. sieboldiana**, BLUME. Japan.
Planted, 1899.
S. Sieboldii pendula = *S. elegantissima*, C. Koch.
- 2212.—**S. silesiaca**, WILLD. Europe.
Planted, 1899.
- 2213.—**S. smithiana**, WILLD. Europe.
Planted, 1899.
- 2214.—**S. smithiana acuminata**.
Syn., *S. acuminata*, Sm.; *S. dasyclados*, Wimm.
Planted, 1896. Hardy.
- 2215.—**S. smithiana ferruginea**.
Planted, 1899.
- 2216.—**S. smithiana velutina**.
Syn., *S. holosericea*, Willd.
Planted, 1898.
- 2217.—**S. smithiana velutina angustifolia**.
Planted, 1899.
- 2218.—**S. stipularis**, Sm. Europe.
Planted, 1899.
- 2219.—**S. triandra**, L. Europe, N. Asia.
Syn., *S. hoppeana*, Willd.; *S. villarsiana*, Fluegge.
Planted, 1896. Hardy.
- 2220.—**S. triandra amygdalina**.
Planted, 1899.
- 2221.—**S. tristis**, MUHL. Dwarf Gray Willow,
Sage Willow. North America.
Planted, 1896. Hardy.
- 2222.—**S. undulata**, EHRL. Europe.
Syn., *S. lanceolata*, Sm.
Planted, 1896. Hardy.
S. villarsiana, Fluegge = *S. triandra*, L.
- 2223.—**S. viminalis**, L. Osier Willow. Russia
and North Asia.
Planted, 1896. Hardy.
- 2224.—**S. viminalis x purpurea**.
Planted, 1899.
- 2225.—**S. viminalis Reifenweide**.
Planted, 1896. Hardy.
- 2226.—**S. viminalis superba**.
Planted, 1899.
- 2227.—**S. viminalis tenuifolia**.
Planted, 1899.
- 2228.—**S. viridis**, FRIES. Europe.
Planted, 1899.
- 2229.—**S. Voronesh**. Voronesh Willow.
Planted, 1890. Hardy.
- 2230.—**S. wardiana**, F. B. WHITE. Britain.
Planted, 1899.
- 2231.—**S. willdenowiana**, DIPP.
Planted, 1899.

SAMBUCUS—ELDER.

- S. aurea nova* = *S. nigra aurea nova*.
- 2232.—**S. canadensis**, L. American Elder.
North America.
Planted, 1898. Hardy in this vicinity.
- 2233.—**S. Ebulus**, L. Europe, Himalayas.
Planted, 1898.
- 2234.—**S. elegans**, HORT.
Planted, 1896. Tender.
- 2235.—**S. glauca**, NUTT. Glaucous Willow.
British Columbia, Western United States.
Planted, 1897. Half hardy.
- 2236.—**S. glauca fontenayensis**.
Planted, 1896. Half hardy.
S. heterophylla = *S. nigra heterophylla*.
- 2237.—**S. javanica**, REINW. Tropical Asia.
Syn., *S. thunbergiana*, Blume.
Planted, 1897. Hardy.
- 2238.—**S. mexicana**, PRESL. California, Arizona.
Syn., *S. plantierensis*, Hort.
Planted, 1896. Half hardy.
- 2239.—**S. nigra**, L. Black-fruited Elder. Europe,
W. Asia, N. Africa.
Planted, 1896. Half hardy.
- 2240.—**S. nigra aurea nova**.
Syn., *S. aurea nova*.
Planted, 1896. Tender.
- 2241.—**S. nigra chlorocarpa**.
Planted, 1896. Half hardy.
- 2242.—**S. nigra flore pleno**.
Planted, 1896. Half hardy.
- 2243.—**S. nigra foliis aureis**.
Planted, 1890. Half hardy.
- 2244.—**S. nigra fructu albo**.
Planted, 1897. Half hardy.
- 2245.—**S. nigra heterophylla**.
Syn., *S. heterophylla*.
Planted, 1896. Half hardy.
- 2246.—**S. nigra laciniata**.
Planted, 1897. Half hardy.
- 2247.—**S. nigra laciniata crispa**.
Planted, 1896. Tender.
- 2248.—**S. nigra laciniata monstrosa**.
Planted, 1899.
- 2249.—**S. nigra pendula**.
Syn., *S. pendula*.
Planted, 1897. Winter killed.
- 2250.—**S. nigra pulverulenta alba**.
Syn., *S. pulverulenta alba*.
Planted, 1896. Winter killed.
- 2251.—**S. nigra pyramidalis**.
Syn., *S. pyramidalis*.
Planted, 1896. Winter killed.
- 2252.—**S. nigra rotundifolia**.
Planted, 1896. Half hardy.

SAMBUCUS—ELDER—*Concluded.*

- 2253.—**S. nigra semperflorens.**
Planted, 1896. Half hardy.
- 2254.—**S. nigra trifoliata.**
Planted, 1896. Half hardy.
- 2255.—**S. nigra fol. argenteis variegatis.**
Planted, 1897. Half hardy.
- 2256.—**S. nigra fol. aureis variegatis.**
Planted, 1897. Half hardy.
- 2257.—**S. nigra virescens.**
Planted, 1890. Tender.
S. pendula = *S. nigra pendula.*
S. plantierensis, Hort. = *S. mexicana*, Presl.
S. pubens, Michx. = *S. racemosa pubescens.*
S. pulverulenta alba = *S. nigra pulverulenta alba.*
S. pyramidalis = *S. nigra pyramidalis.*
- 2258.—**S. racemosa**, L. Scarlet-berried Elder.
Northern Hemisphere.
Planted, 1890. Hardy.
- 2259.—**S. racemosa arborescens.**
Planted, 1895. Half hardy.
- 2260.—**S. racemosa plumosa.**
Planted, 1896. Half hardy.
- 2261.—**S. racemosa plumosa aurea.**
Planted, 1899.
- 2262.—**S. racemosa pubescens**, DIPPFL.
Syn., *S. pubens*, Michx.
Planted, 1896. Half hardy.
- 2263.—**S. racemosa serratifolia.**
Planted, 1899.
- 2264.—**S. racemosa tenuifolia.**
Planted, 1899.
S. thunbergiana, Blume = *S. javanica*, Reinw.
S. variegata argentea = *S. nigra fol. argenteis variegatis.*
S. variegata aurea = *S. nigra fol. aureis variegatis.*

SAPINDUS—SOAPBERRY.

- 2265.—**S. marginatus**, WILLD. North America.
Planted, 1897. Winter killed.

SASSAFRAS.

- 2266.—**S. officinale**, NEES. Sassafras. Western Ontario, United States.
Syn., *Laurus Sassafras*, L.
Planted, 1899.
- 2267.—**Schizandra chinensis**, BAILL. China and Japan.
Planted, 1894. Hardy.
SEA BUCKTHORN. See HIPPOPHAE.

SECURINEGA.

- 2268.—**S. ramiflora**, MUELL. ARG. Eastern Asia.
Planted, 1897. Half hardy.
SHRUB YELLOW-ROOT. See XANTHORRHIZA.
SIBERIAN PEA-TREE. See CARAGANA.
SILVER-BELL TREE. See HALEZIA.
SNOWBERRY. See SYMPHORICARPUS.
SOAPBERRY. See SAPINDUS.

SOLANUM—NIGHTSHADE.

- 2269.—**S. Dulcamara**, L. Bittersweet. Europe.
Syn., *S. lyratum*, Thunb.
Planted, 1897. Tender.
S. lyratum, Thunb. = *S. Dulcamara*, L.

SOPHORA.

- 2270.—**S. chinensis**, D. DON. China.
Planted, 1896. Winter killed. Re-planted, 1899.
- 2271.—**S. japonica**, L. China.
Planted, 1896. Half hardy.
- 2272.—**S. japonica pendula.**
Planted, 1897. Tender.
- 2273.—**S. Korolkowi**, CORNU.
Planted, 1899.
- 2274.—**S. platycarpa**, MAXIM. Japan.
Planted, 1897. Hardy.
- 2275.—**S. violacea**, HORT.
Planted, 1897. Tender.
SOUR GUM. See NYSSA.
SOUR-WOOD. See OXYDENDRON.
SORREL-TREE. See OXYDENDRON.
Spartium andréanum = *Cytisus scoparius andréanus.*
Spartium scoparium, L. = *Cytisus scoparius*, Link.

SPARTIUM.

- 2276.—**S. junceum**, L. Rush-like Spartium. South Europe.
Syn., *Genista juncea*, Lam.
Planted, 1895. Winter killed.
SPINDLE-TREE. See EUONYMUS.

SPIRAEA—MEADOW-SWEET.

- S. alba*, Du Roi = *S. salicifolia paniculata.*
S. albiflora, Miq. = *S. japonica alba.*
S. amurense, Maxim. = *Neillia amurenensis*, Benth. & Hook.
S. ariaefolia, Smith. = *S. discolor*, Pursh.
- 2277.—**S. arguta**, ZABEL. Garden origin.
Syn., *S. multiflora arguta.*
Planted, 1896. Hardy.
- 2278.—**S. aubifolia** ? HORT.
Planted, 1898.
- 2279.—**S. bella**, SIMS. Temperate Himalaya.
Syn., *S. Hookeri*, Hort.
Planted, 1894. Hardy.
- 2280.—**S. bethlehemensis rubra**, HORT.
Planted, 1896. Hardy.
- 2281.—**S. betulifolia**, PALL. Birch-leaved spiraea. Northern Hemisphere.
Planted, 1898.
- 2282.—**S. betulifolia corymbosa.**
Syns., *S. corymbosa*, Rafin.; *S. crataegifolia*, Link.
Planted, 1894. Hardy.
S. Billardii, Hort. = *S. salicifolia*, L.

SPIRAEA—MEADOW-SWEET—*Continued.*

- 2283.—**S. blanda**, ZABEL. (**S. cantoniensis** x **chinensis**).
Planted, 1896. Tender.
- 2284.—**S. Blumei**, DON. China and Japan.
Planted, 1897. Winter killed. Re-planted, 1899.
- 2285.—**S. brachybotrys**, LANGE. (**S. canescens** x **Douglasi**). Garden origin.
Syn., *S. luxuriosa*, Lavall.
Planted, 1894. Tender.
- 2286.—**S. bracteata**, ZABEL.
Syn., *S. media rotundifolia*.
Planted, 1896. Hardy.
- 2287.—**S. bullata**, MAXIM.
Syn., *S. crispifolia*, Hort.
Planted, 1894. Tender.
S. Bumalda, Hort. = *S. japonica Bumalda*.
S. californica, Hort. = *S. nobleana*, Hook.
S. callosa, Thunb. = *S. japonica*, L. fil.
- 2288.—**S. cana**, WALDST. & KIT. Eastern Europe.
Syn., *S. regeliana*, Hort.
Planted, 1896. Hardy.
- 2289.—**S. canescens**, DON. Himalaya.
Syn., *S. flagelliformis*, Hort.; *S. nepalensis*, Hort.; *S. pruinosa*, Hort.
Planted, 1896. Tender.
- 2290.—**S. cantoniensis**, LOUR. China, Japan, Himalaya.
Planted, 1897. Half hardy.
- 2291.—**S. cantoniensis flore pleno**.
Syn., *S. lanceolata flore pleno*.
Planted, 1897. Tender.
S. carpinifolia, Willd. = *S. salicifolia*, L.
- 2292.—**S. chamaedrifolia**, L. Germander-leaved Spiraea. Europe.
Syn., *S. ulmifolia*, Scop.
Planted, 1896. Hardy.
- 2293.—**S. chamaedrifolia flexuosa**.
Syn., *S. flexuosa*, Fisch.
Planted, 1894. Tender.
S. chinensis, Hort. = *S. pubescens*, Turcz.
- 2294.—**S. cinerea superhypericifolia**.
Planted, 1896. Hardy.
- 2295.—**S. coccinea**, HORT.
Planted, 1896. Half hardy.
- 2296.—**S. conferta**, ZABEL. (**S. cana** x **crenata**).
Garden origin.
Planted, 1896. Hardy.
- 2297.—**S. conspicua**, ZABEL. (**S. albiflora** x **latifolia**).
Planted, 1896. Half hardy.
S. corymbosa, Rafin. = *S. betulifolia corymbosa*.
S. crataegifolia, Link. = *S. betulifolia corymbosa*.
- 2298.—**S. crenata**, L. Eastern Europe.
Planted, 1896. Hardy.
S. crispifolia, Hort. = *S. bullata*, Maxim.

SPIRAEA—MEADOW-SWEET—*Continued.*

- 2299.—**S. decumbens**, KOCH. Europe.
Planted, 1895. Winter killed. Re-planted, 1899.
- 2300.—**S. discolor**, PURSH. White-beam leaved Spiraea. North-west America.
Syn., *S. ariaefolia*, Smith.
Planted, 1896. Tender.
- 2301.—**S. Douglasi**, HOOK. North-west America.
Syn., *S. menziesii*, Hook.
Planted, 1894. Tender.
- 2302.—**S. Douglasi pachystachys**.
Planted, 1896. Hardy.
S. Douglasi sanssouciana = *S. nobleana* Hook.
- 2303.—**S. Douglasi variet.**
Planted, 1897. Hardy.
S. dumosa, Nutt. = *S. discolor dumosa*.
S. eximia, Hort. = *S. nobleana*, Hook.
- 2304.—**S. expansa nivea**.
Planted, 1898.
- 2305.—**S. expansa rubra**.
Planted, 1899.
S. flagelliformis, Hort. *S. canescens*, Don.
S. flexuosa, Fisch. *S. chamaedrifolia flexuosa*.
S. floribunda, Hort. = *S. sorbifolia*, L.
- 2306.—**S. fontenayensis alba**.
Planted, 1894. Half hardy.
- 2307.—**S. fontenayensis rosea**.
Planted, 1896. Hardy.
S. Fortunei, Planch. = *S. japonica*, L. fil.
S. Foxii, Hort. = *S. sorbifolia*, L.
- 2308.—**S. Froebeli**, HORT.
Planted, 1899.
- 2309.—**S. Froebeli fol. variegatis**.
Planted, 1899.
S. Hacqueti, FENZL. & K. KOCH. Tyrol.
Planted, 1899.
S. Hookeri, Hort. = *S. bella*, Sims.
- 2310.—**S. hypericifolia**, L. Northern Hemisphere.
Planted, 1894. Hardy.
- 2311.—**S. hypericifolia thalictroides**.
Planted, 1896. Hardy.
- 2312.—**S. japonica**, L. FIL. Japanese Spiraea. India, China, and Japan.
Syn., *S. callosa*, Thunb.; *S. Fortunei*, Planch.
Planted, 1895. Tender.
- 2313.—**S. japonica alba**. White Japanese Spiraea.
Syn., *S. albiflora*, Miq.
Planted, 1894. Half hardy.
- 2314.—**S. japonica atrosanguinea**.
Planted, 1898.
- 2315.—**S. japonica Bumalda**.
Syn., *S. Bumalda*, Hort.
Planted, 1898.

SPIRAEA—MEADOW-SWEET—Continued.

- 6.—**S. japonica** Bumalda Anthony Waterer.
Planted, 1897. Tender.
- 7.—**S. japonica** Bumalda elegans.
Planted, 1897. Winter killed. Re-planted,
1899.
- 8.—**S. japonica** macrophylla. Large-leaved
Japanese Spiraea.
Planted, 1898.
- 9.—**S. japonica** rosea. Rosy Japanese Spiraea.
Planted, 1896. Tender.
- 20.—**S. japonica** ruberrima.
Planted, 1897. Winter killed. Re-planted,
1899.
- 21.—**S. japonica** rubra. Red Japanese Spiraea.
Planted, 1894. Tender.
- 22.—**S. japonica** semperflorens.
Planted, 1894. Half hardy.
- 23.—**S. japonica** superba.
Planted, 1896. Half hardy.
- 24.—**S. laevigata**, L. Siberia.
Planted, 1896. Hardy.
- 25.—**S. lanceolata**, HORT.
Planted, 1899.
S. lanceolata flore pleno. = *S. cantoniensis*
flore pleno.
S. latifolia, Borkh. = *S. salicifolia paniculata*.
- 26.—**S. lenneana**, HORT.
Planted, 1898.
- 27.—**S. lindleyana**, WALL. Himalaya.
Planted, 1898.
- 28.—**S. longigemmis**, MAXIM. China.
Planted, 1896. Hardy.
S. luxuriosa, Lavall. = *S. brachybotrys*,
Lange.
- 29.—**S. Margaritae**.
Planted, 1895. Tender.
- 30.—**S. media**, SCHMIDT. Europe.
Syn., *S. oblongifolia*, Waldst.
Planted, 1894. Hardy.
S. media rotundifolia = *S. bracteata*, Zabel.
S. menziesii, Hook. = *S. Douglasi*, Hook.
- 31.—**S. mongolica**, MAXIM. Mongolia and
China.
Planted, 1896. Hardy.
S. monogyna, Torr. = *Neillia Torreyi*,
Watson.
S. multiflora arguta = *S. arguta*, Zabel.
S. nepalensis, Hort. = *S. canescens*, Don.
- 32.—**S. nobleana**, HOOK. California.
Syn., *S. californica*, *san.*; *S. eximia*,
Hort.; *S. Douglasi* *sanssouci*ana.
Planted, 1897. Hardy.
- 33.—**S. syringiflora**, HORT.
Planted, 1896. Half hardy.
- 34.—**S. notha**, ZABEL.
Planted, 1896. Hardy.
S. oblongifolia, Waldst. = *S. media*, Schmidt.
S. opulifolia, L. = *Neillia opulifolia*, Benth.
& Hook.

SPIRAEA—MEADOW-SWEET—Continued.

- 2335.—**S. oxyodon**, ZABEL. (*S. flexuosa* x
media).
Planted, 1896. Hardy.
- 2336.—**S. pachystachys**, HORT.
Planted, 1897. Hardy.
S. Pallasi, Hort. = *S. sorbifolia*, L.
S. paniculata = *S. salicifolia paniculata*.
S. pruinosa, Hort. = *S. canescens*, Don.
- 2337.—**S. prunifolia**, SIEB. & ZUCC. Plum-leaved
Spiraea. China and Japan.
Planted, 1897. Half hardy.
- 2338.—**S. prunifolia flore pleno**.
Planted, 1897. Half hardy.
- 2339.—**S. pubescens**, TURCZ. China.
Syn., *S. chinensis*, Hort.
Planted, 1897. Winter killed. Re-plante.,
1899.
S. reevesiana, Lindl. = *S. cantoniensis*, Lour.
S. regeliana, Hort. = *S. cana*, Waldst. & Kit.
- 2340.—**S. revirescens**, ZABEL.
Planted, 1896. Tender.
- 2341.—**S. salicifolia**, L. Common Meadow-sweet.
Eastern Europe to Japan, Canada,
United States.
Syn., *S. Billardii*, Hort.; *S. carpinifolia*,
Willd.
Planted, 1894. Hardy.
- 2342.—**S. salicifolia floribus albis**. White-
flowered Meadow Sweet.
Syn., *S. Billardii alba*.
Planted, 1896. Hardy.
- 2343.—**S. salicifolia floribus roseis**. Rose-
flowered Meadow Sweet.
Syn., *S. Billardii rosea*.
Planted, 1896. Hardy.
- 2344.—**S. salicifolia paniculata**.
Syn., *S. alba*, Du Roi; *S. latifolia*, Borkh.
Planted, 1896. Hardy.
*S. sanssouci*ana, C. Koch = *S. nobleana*,
Hook.
- 2345.—**S. Schinabecki**, ZABEL. (*S. chamaedri-*
folia x *trilobata*).
Planted, 1896. Hardy.
- 2346.—**S. sorbifolia**, L. Sorbus-leaved Spiraea.
Himalaya to Japan.
Syn., *S. floribunda*, Hort.; *S. Foxii*, Hort.
Planted, 1894. Hardy.
- 2347.—**S. tenuissima**, CAR. Origin uncertain.
Planted, 1894. Hardy.
- 2348.—**S. Thunbergi**, SIEB. & ZUCC. Thunberg's
Spiraea. China and Japan.
Planted, 1897. Hardy.
- 2349.—**S. tomentosa**, L. Hardhack. Canada,
United States.
Planted, 1894. Hardy.

SPIRAEA.—MEADOW-SWEET—*Concluded*.

- 2350.—**S. trilobata**, L. North Asia.
Planted, 1896. Hardy.
S. ulmifolia, Scop. = *S. chamaedrifolia*, L.
- 2351.—**S. vacciniifolia**, D. DON. Vaccinium-leaved Spiraea. Himalaya.
Planted, 1897. Half hardy.
- 2352.—**S. Van Houttei**, BRIOT. Van Houtte's Spiraea. (**S. media** x **trilobata**).
Garden origin.
Planted, 1897. Hardy.
ST. JOHN'S WORT. See HYPERICUM.

STACHYRUS.

- 2353.—**S. praecox**, SIEB. & ZUCC. China and Japan.
Planted, 1899.

STAPHYLEA.—BLADDER-NUT.

- 2354.—**S. Bumalda**, SIEB. & ZUCC. Japan.
Planted, 1894. Hardy.
- 2355.—**S. colchica**, STEV. Caucasus.
Planted, 1897. Tender.
- 2356.—**S. Coulombieri**, ANDRÉ. (**S. pinnata** x **colchica**).
Planted, 1895. Winter killed.
- 2357.—**S. elegans**, ZABEL. (**S. colchica** x **pinnata**).
Planted, 1898.
- 2358.—**S. pinnata**, L. South Europe.
Planted, 1894. Tender.
- 2359.—**S. trifolia**, L. American Bladder-nut.
North America.
Planted, 1894. Hardy.

STAUNTONIA.

- 2360.—**S. hexaphylla**, DCNE. China and Japan.
Planted, 1897. Winter killed.

STEPHANANDRA.

- 2361.—**S. flexuosa**, SIEB. & ZUCC. China and Japan.
Planted, 1896. Tender.
- 2362.—**S. Tanakae**, FRANCH & SAV. Japan.
Planted, 1898.

STUARTIA.

- 2363.—**S. pentagyna**, L'HERIT. South United States.
Planted, 1895. Winter killed.
- 2364.—**S. virginica**, CAV. South United States.
Planted, 1897. Half hardy.

STYRAX.

- 2365.—**S. japonicum**, SIEB. & ZUCC. China and Japan.
Planted, 1895. Winter killed.
- 2366.—**S. Obassia**, SIEB. & ZUCC. Japan.
Planted, 1897. Winter killed.
SUMACH. See RHUS.

SYMPHORICARPUS.—SNOWBERRY.

- 2367.—**S. Heyeri**, DIPPEL. Western United States.
Planted, 1895. Half hardy.
- 2368.—**S. mollis**, NUTT. Western North America.
Planted, 1896. Half hardy.
- 2369.—**S. occidentalis**, R. BR. Wolfberry.
Western North America.
Planted, 1889. Hardy.
- 2370.—**S. orbiculatus**, MOENCH. Coral-berry.
North America.
Syns., *S. fructu rubro*; *S. vulgaris*, Michx.
Planted, 1889. Hardy.
- 2371.—**S. orbiculatus fol. aureo-variegatis**.
Variegated Coral-berry.
Planted, 1896. Half hardy.
- 2372.—**S. oreophyllus**, A. GRAY. Western North America.
Planted, 1899.
- 2373.—**S. racemosus**, MICHX. Snowberry. North America.
Planted, 1889. Half hardy.
- 2374.—**S. racemosus pauciflorus**.
Planted, 1896. Hardy.
- 2375.—**S. rotundifolius**, A. GRAY. Western United States.
Planted, 1895. Half hardy.
S. rubra = *S. orbiculatus*, Moench.
S. vulgaris, Michx. = *S. orbiculatus*, Moench.

SYRINGA.—LILAC.

- 2376.—**S. amurensis**, RUPE. Amur Lilac. China, Japan, and Mandshuria.
Planted, 1894. Hardy.
S. amurensis japonica = *S. japonica*, Decne.
S. Bretschneideri, Hort. = *S. Emodi rosea*.
- 2377.—**S. chinensis**, WILLD. Rouen Lilac. Garden origin.
Syns., *S. dubia*, Pers.; *S. rothomagensis*, Mirb.
Planted, 1894. Hardy.
- 2378.—**S. chinensis alba**. White Rouen Lilac.
Planted, 1897. Half hardy.
- 2379.—**S. chinensis metensis**.
Syn., *S. dubia metensis*.
Planted, 1897. Hardy.
- 2380.—**S. chinensis rubra**. Red Rouen Lilac.
Planted, 1897. Hardy.
- 2381.—**S. chinensis saugeana**.
Planted, 1889. Hardy.
S. dubia, Pers. = *S. chinensis*, Willd.
- 2382.—**S. Emodi**, WALL. Himalayan Lilac.
Himalaya.
Planted, 1894. Hardy.
- 2383.—**S. Emodi rosea**. Rosy Himalayan Lilac.
Syns., *S. Bretschneideri*, Hort.; *S. Emodi rosiflora*.
Planted, 1895. Hardy.
S. Emodi rosiflora = *S. Emodi rosea*.

SYRINGA—LILAC—Continued.

- 2384.—**S. Emodi variegata.** Variegated Himalayan Lilac.
Planted, 1896. Hardy.
- 2385.—**S. japonica,** DECNE. Japan Lilac. Japan.
Syn., S. amurensis japonica.
Planted, 1894. Hardy.
- 2386.—**S. Josikaea,** JACQ. F. Josika's Lilac.
Transsylvania.
Planted, 1889. Hardy.
S. ligustrina, Hort. = S. amurensis, Rupr.
- 2387.—**S. oblata,** LINDL. Oblate-leaved Lilac.
China.
Planted, 1895. Hardy.
- 2388.—**S. pekinensis,** RUFR. Pekin Lilac.
Mountains of Northern China.
Syn., Ligustrina pekinensis, Regel.
Planted, 1895. Tender. Winter killed, 1898.
- 2389.—**S. pekinensis pendula.** Pendulous Pekin Lilac.
Planted, 1897. Died. Re-planted, 1899.
- 2390.—**S. persica,** L. Persian Lilac. Afghanistan.
Planted, 1889. Hardy.
- 2391.—**S. persica alba.** White Persian Lilac.
Planted, 1893. Half hardy.
- 2392.—**S. persica laciniata.** Cut-leaved Persian Lilac.
Planted, 1897. Hardy.
S. pubescens, Turcz. = S. villosa, Vahl.
S. rothomagensis, Mirb. = S. chinensis, Willd.
- 2393.—**S. villosa,** VAHL. North China.
Syn., S. pubescens, Turcz.
Planted, 1895. Hardy.
- 2394.—**S. vulgaris,** L. Common Lilac. Eastern Europe.
Planted, 1889. Hardy.
- 2395.—**S. vulgaris Abel Carrière.**
Planted, 1899.
- 2396.—**S. vulgaris alba.** White Lilac.
Planted, 1889. Hardy.
- 2397.—**S. vulgaris alba grandiflora.** Large-flowered White Lilac.
Planted, 1894. Hardy.
- 2398.—**S. vulgaris alba pyramidalis.** Pyramidal White Lilac.
Planted, 1898.
- 2399.—**S. vulgaris Albert the Good.**
Planted, 1894. Hardy.
- 2400.—**S. vulgaris Aline Mocqueris.**
Planted, 1896. Hardy.
- 2401.—**S. vulgaris Alphonse Lavallée.**
Planted, 1896. Hardy.
- 2402.—**S. vulgaris Ambroise Verschaffelt.**
Planted, 1898.
- 2403.—**S. vulgaris Amethyst.**
Planted, 1896. Hardy.
- 2404.—**S. vulgaris amoena.**
Planted, 1896. Hardy.

SYRINGA—LILAC—Continued.

- 2405.—**S. vulgaris Andenken an Ludwig Spath.**
Planted, 1899.
- 2406.—**S. vulgaris aurea.** Golden-leaved Lilac.
Planted, 1897. Hardy.
- 2407.—**S. vulgaris Belle de Nancy.**
Planted, 1895. Hardy.
- 2408.—**S. vulgaris Beranger.**
Planted, 1898.
- 2409.—**S. vulgaris Blanc Virginal.**
Planted, 1889. Hardy.
- 2410.—**S. vulgaris Boussingault.**
Planted, 1899.
- 2411.—**S. vulgaris Charles Baltet.**
Planted, 1897. Hardy.
- 2412.—**S. vulgaris Charles Joly.**
Planted, 1899.
- 2413.—**S. vulgaris Charles X.**
Planted, 1889. Hardy.
- 2414.—**S. vulgaris Comte Horace de Choiseul.**
Planted, 1896. Hardy.
- 2415.—**S. vulgaris Comtesse Horace de Choiseul.**
Planted, 1896. Hardy.
- 2416.—**S. vulgaris Condorcet.**
Planted, 1897. Hardy.
- 2417.—**S. vulgaris Congo.**
Planted, 1899.
- 2418.—**S. vulgaris Corinne.**
Planted, 1899.
- 2419.—**S. vulgaris Croix de Brahy.**
Planted, 1896. Hardy.
- 2420.—**S. vulgaris de Humboldt.**
Planted, 1898.
- 2421.—**S. vulgaris de Jussieu.**
Planted, 1895. Hardy.
- 2422.—**S. vulgaris de Marley.**
Planted, 1889. Hardy.
- 2423.—**S. vulgaris Dr. Lindley.**
Planted, 1897. Hardy.
- 2424.—**S. vulgaris Dr. Maillot.**
Planted, 1897. Hardy.
- 2425.—**S. vulgaris Dr. Nobbe.**
Planted, 1896. Hardy.
- 2426.—**S. vulgaris Dr. von Regel.**
Planted, 1897. Hardy.
- 2427.—**S. vulgaris Doyen Keteleer.**
Planted, 1899.
- 2428.—**S. vulgaris Eckenholm.**
Planted, 1896. Hardy.
- 2429.—**S. vulgaris Emilie Lemoine.**
Planted, 1897. Hardy.
- 2430.—**S. vulgaris Emil Liebig.**
Planted, 1899.
- 2431.—**S. vulgaris Erzherzog Johann.**
Planted, 1898.

SYRINGA—LILAC—Continued.

- 2432.—*S. vulgaris* **Francisque Morel.**
Planted, 1899.
- 2433.—*S. vulgaris* **Frau Bertha Dammann.**
Planted, 1894. Hardy.
- 2434.—*S. vulgaris* **Furst Liechtenstein.**
Planted, 1896. Hardy.
- 2435.—*S. vulgaris* **Géant des batailles.**
Planted, 1898.
- 2436.—*S. vulgaris* **Geheimrath Heyder.**
Planted, 1896. Hardy.
- 2437.—*S. vulgaris* **Geheimrath Singelmann.**
Planted, 1896. Hardy.
- 2438.—*S. vulgaris* **Gloire de Moulins.**
Planted, 1897. Hardy.
- 2439.—*S. vulgaris* **Goliath.**
Planted, 1896. Hardy.
- 2440.—*S. vulgaris* **Grand-duc Constantin.**
Planted, 1899.
- 2441.—*S. vulgaris* **Guizot.**
Planted, 1899.
- 2442.—*S. vulgaris* **hyacinthiflora plena.**
Planted, 1899.
- 2443.—*S. vulgaris* **hybrida.**
Planted, 1896. Hardy.
- 2444.—*S. vulgaris* **Jacques Calot.**
Planted, 1894. Hardy.
- 2445.—*S. vulgaris* **Jean Bart.**
Planted, 1896. Hardy.
- 2446.—*S. vulgaris* **Justi.**
Planted, 1898.
- 2447.—*S. vulgaris* **Lamarck.**
Planted, 1895. Hardy.
- 2448.—*S. vulgaris* **La Mauve.**
Planted, 1898.
- 2449.—*S. vulgaris* **La Tour d'Auvergne.**
Planted, 1896. Hardy.
- 2450.—*S. vulgaris* **Le Gaulois.**
Planted, 1896. Hardy.
- 2451.—*S. vulgaris* **Lemoinei.**
Planted, 1889. Hardy.
- 2452.—*S. vulgaris* **Léon Simon.**
Planted, 1895. Hardy.
- 2453.—*S. vulgaris* **Linné.**
Planted, 1898.
- 2454.—*S. vulgaris* **Louis Henry.**
Planted, 1899.
- 2455.—*S. vulgaris* **Louis van Houtte.**
Planted, 1896. Hardy.
- 2456.—*S. vulgaris* **lovaniensis.**
Planted, 1898.
- 2457.—*S. vulgaris* **Ludwig Spath.**
Planted, 1894. Hardy.
- 2458.—*S. vulgaris* **macrostachya.**
Planted, 1897. Hardy.
- 2459.—*S. vulgaris* **Madame Abel Chatenay.**
Planted, 1897. Hardy.

SYRINGA—LILAC—Continued.

- 2460.—*S. vulgaris* **Madame Briot.**
Planted, 1896. Hardy.
- 2461.—*S. vulgaris* **Madame Casimir Perier.**
Planted, 1899.
- 2462.—*S. vulgaris* **Madame Kreuter.**
Planted, 1898.
- 2463.—*S. vulgaris* **Madame Jules Finger.**
Planted, 1896. Hardy.
- 2464.—*S. vulgaris* **Madame Lemoine.**
Planted, 1899.
- 2465.—*S. vulgaris* **Madame Léon Simon.**
Planted, 1899.
- 2466.—*S. vulgaris* **Madame Moser.**
Planted, 1898.
- 2467.—*S. vulgaris* **Mademoiselle Fernande Viger.**
Planted, 1899.
- 2468.—*S. vulgaris* **Maréchal de Bassompierre.**
Planted, 1899.
- 2469.—*S. vulgaris* **Marie Legraye.**
Planted, 1896. Hardy.
- 2470.—*S. vulgaris* **marliensis pallida.**
Planted, 1898.
- 2471.—*S. vulgaris* **Mathieu de Dombasle.**
Planted, 1899.
- 2472.—*S. vulgaris* **Mélide Laurent.**
Planted, 1899.
- 2473.—*S. vulgaris* **Michel Buchner.**
Planted, 1897. Hardy.
- 2474.—*S. vulgaris* **Monsieur Maxime Cornu.**
Planted, 1898.
- 2475.—*S. vulgaris* **Monument Carnot.**
Planted, 1899.
- 2476.—*S. vulgaris* **nana.** Dwarf Lilac.
Planted, 1894. Hardy.
- 2477.—*S. vulgaris* **Obélisque.**
Planted, 1897. Hardy.
- 2478.—*S. vulgaris* **Pierre Joigneaux.**
Planted, 1898.
- 2479.—*S. vulgaris* **Président Carnot.**
Planted, 1897. Hardy.
- 2480.—*S. vulgaris* **Président Grévy.**
Planted, 1894. Hardy.
- 2481.—*S. vulgaris* **Président Hayes.**
Planted, 1899.
- 2482.—*S. vulgaris* **Prince de Beauveau.**
Planted, 1899.
- 2483.—*S. vulgaris* **Prince of Wales.**
Planted, 1894. Hardy.
- 2484.—*S. vulgaris* **Princesse Marie.**
Planted, 1898.
- 2485.—*S. vulgaris* **Prinz Notger.**
Planted, 1898.
- 2486.—*S. vulgaris* **Professor Sargent.**
Planted, 1896. Hardy.

SYRINGA—LILAC—*Concluded.*

- 2487.—**S. vulgaris purpurea.** Purple Lilac.
Planted, 1889. Hardy.
- 2488.—**S. vulgaris Rabelais.**
Planted, 1899.
- 2489.—**S. vulgaris Renoncule.**
Planted, 1899.
- 2490.—**S. vulgaris rubella.**
Planted, 1897. Hardy.
- 2491.—**S. vulgaris rubra.**
Planted, 1898.
- 2492.—**S. vulgaris rubra insignis.**
Planted, 1898.
- 2493.—**S. vulgaris Sénateur Volland.**
Planted, 1896. Hardy.
- 2494.—**S. vulgaris sibirica.**
Planted, 1897. Hardy.
- 2495.—**S. vulgaris sibirica** (double blue).
Planted, 1896. Hardy.
- 2496.—**S. vulgaris Souvenir de la Spath.**
Planted, 1899.
- 2497.—**S. vulgaris Souvenir de L. Thibaut.**
Planted, 1897. Hardy.
- 2498.—**S. vulgaris Tournefort.**
Planted, 1896. Hardy.
- 2499.—**S. vulgaris Triomphe d'Orléans.**
Planted, 1896. Hardy.
- 2500.—**S. vulgaris varina bicolor.**
Planted, 1899.
- 2501.—**S. vulgaris varina duplex.**
Planted, 1899.
- 2502.—**S. vulgaris Vergissmeinnicht.**
Planted, 1897. Hardy.
- 2503.—**S. vulgaris versaliensis.**
Planted, 1896. Hardy.
- 2504.—**S. vulgaris virginialis.**
Planted, 1889. Hardy.
- 2505.—**S. vulgaris Virginité.**
Planted, 1896. Hardy.
- TAMARIX**—TAMARISK.
- 2506.—**T. africana,** POIR. African Tamarisk.
Mediterranean region.
Planted, 1896. Winter killed.
- 2507.—**T. amurensis.** Amur Tamarisk.
Planted, 1896. Half hardy.
- 2508.—**T. caspica.**
Planted, 1895. Tender.
- 2509.—**T. gallica,** L. Shores of Atlantic, Mediterranean.
Syn., T. indica, Willd.
Planted, 1897. Tender.
- 2510.—**T. hispida,** WILLD. Western Asia.
Syn., T. kashgarica, Hort.
Planted, 1897. Winter killed. Re-planted, 1899.
T. indica, Willd. = T. gallica, L.

TAMARIX—TAMARISK—*Concluded.*

- 2511.—**T. japonica.** Japan Tamarisk.
Planted, 1896. Tender.
- 2512.—**T. japonica plumosa.** Plumose Japan Tamarisk.
Planted, 1897. Tender.
T. kashgarica, Hort. = T. hispida, Willd.
- 2513.—**T. odessana,** STEV. Odessa Tamarisk.
Russia.
Planted, 1895. Half hardy.
- 2514.—**T. parviflora,** DC. Small-flowered Tamarisk. Greece.
Planted, 1897. Tender.
- 2515.—**T. tetrandra,** PALL. Four-anthered Tamarisk. Eastern Europe.
Planted, 1897. Tender.

TECOMA—TRUMPET FLOWER.

- T. atrosanguinea = T. grandiflora sanguinea.*
- 2516.—**T. grandiflora,** LOISEL. China and Japan.
Planted, 1897. Tender.
- 2517.—**T. radicans,** JUSS. Trumpet Flower.
North America.
Planted, 1896. Winter killed.
- 2518.—**T. radicans praecox.**
Planted, 1896. Winter killed.
- 2519.—**T. Thunbergi,** CARR. Origin unknown.
Planted, 1897. Tender.

TEUCRIUM.

- T. Chamaedrys, L. = T. Marum, L.*
- 2520.—**T. Marum,** L. South-western Europe.
Syn., T. Chamaedrys, L.
Planted, 1898.

TILIA—LINDEN, BASSWOOD.

- T. alba, Ait. = T. americana, L.*
- 2521.—**T. americana,** L. Basswood. North America.
Syn., T. alba, Ait.; T. hybrida superba; T. longifolia dentata.; T. mississippiensis, Bosc.
Planted, 1893. Hardy.
- 2522.—**T. americana laxiflora.**
Planted, 1896. Hardy.
- 2523.—**T. americana Moltkei.**
Planted, 1898.
- 2524.—**T. americana spectabilis.**
Planted, 1897. Died.
- 2525.—**T. argentea,** DESF. Silvery Linden. East Europe.
Syn., T. tomentosa, Moench.
Planted, 1890. Half hardy.
- 2526.—**T. argentea canescens.**
Planted, 1899.
- 2527.—**T. argentea nova.**
Planted, 1897. Hardy.
T. Beaumontii pendula = T. platyphyllos obliqua.

TILIA—LINDEN, BASSWOOD—*Continued.*

- 2528.—**T. begoniifolia**, HORT.
Planted, 1897. Hardy.
- 2529.—**T. cordata**, MILL. Heart-leaved Linden.
Europe. North Asia.
Syns., *T. sylvestris*, Desf.; *T. ulmifolia*, Scop.
Planted, 1896. Hardy.
- 2530.—**T. cordata japonica**.
Planted, 1896. Hardy.
- 2531.—**T. dasystyla**, STEV. **Caucasus**.
Syn., *T. euchlora*, K. Koch.
Planted, 1893. Hardy.
T. euchlora, K. Koch. = *T. dasystyla*, Stev.
T. europæa, L. (in part) = *T. vulgaris*, Hayne.
T. europæa, L. (in part) = *T. platyphyllos*, Scop.
T. europæa aurea = *T. platyphyllos aurantia*.
T. europæa grandifolia = *T. platyphyllos*, Scop.
- 2532.—**T. europæa laciniata rubra**.
Planted, 1893. Hardy.
- 2533.—**T. flavescens**, A. BR.
Planted, 1899.
- 2534.—**T. floribunda**, A. BR. (**T. americana x ulmifolia**).
Planted, 1897. Hardy.
- 2535.—**T. gigantea**, HORT.
Planted, 1896. Hardy.
- 2536.—**T. heterophylla**, VENT. White Basswood.
South-eastern United States.
Syn., *T. macrophylla*, Hort.
Planted, 1890. Hardy.
T. hybrida superba, Hort. = *T. americana*, L.
T. longifolia dentata, Hort. = *T. americana*, L.
T. macrophylla, Hort. = *T. heterophylla*, Vent.
- 2537.—**T. Mandschurica**, RUPE. Mandshuria.
Planted, 1899.
- 2538.—**T. miqueliana**, MAXIM. Japan.
Planted, 1898.
- 2539.—**T. multiflora**, HORT.
Planted, 1899.
T. mississippiensis, Bosc. = *T. americana*, Linn.
- 2540.—**T. Parmentieri**.
Planted, 1897. Hardy.
- 2541.—**T. platyphyllos**, SCOP. Broad-leaved Linden. Europe.
Syn., *T. europæa*, L.
Planted, 1897. Hardy.
- 2542.—**T. platyphyllos aurantia**.
Syn., *T. europæa aurea*.
Planted, 1893. Hardy.
- 2543.—**T. platyphyllos corallina**.
Planted, 1897. Hardy.

TILIA—LINDEN, BASSWOOD—*Concluded.*

- 2544.—**T. platyphyllos flicifolia nova**.
Planted, 1896. Hardy.
- 2545.—**T. platyphyllos grandifolia**.
Syn., *T. europæa grandifolia*.
Planted, 1896. Hardy.
- 2546.—**T. platyphyllos pendula**.
Syn., *T. Beaumontii pendula*.
Planted, 1897. Hardy.
- 2547.—**T. platyphyllos pyramidalis aurea**.
Planted, 1891. Hardy.
- 2548.—**T. platyphyllos pyramidalis obliqua**.
Planted, 1896. Hardy.
- 2549.—**T. platyphyllos vitifolia**.
Syn., *T. vitifolia*, Host.
Planted, 1893. Hardy.
- 2550.—**T. pubescens**, AIT. Southern Basswood
Eastern United States.
Planted, 1899.
- 2551.—**T. spectabilis**, DIPP. HORT.
Planted, 1898.
T. sylvestris, Desf. = *T. cordata*, Mill.
T. tomentosa, Moench = *T. argentea*, Desf.
T. ulmifolia, Scop. = *T. cordata*, Mill.
T. vitifolia, Host. = *T. platyphyllos vitifolia*.
- 2552.—**T. vulgaris**, HAYNE. Common Linden.
Europe.
Syn., *T. europæa*, L.
Planted, 1895. Hardy.
TREE OF HEAVEN. See AILANTHUS.
TRUMPET FLOWER. See TECOMA.
TULIP TREE. See LIRIODENDRON.

ULMUS—ELM.

- 2553.—**U. americana**, L. American Elm. North America.
Planted, 1889. Hardy.
- 2554.—**U. americana pendula**. Pendulous American Elm.
Planted, 1889. Hardy.
U. antarctica, Hort. = *U. campestris antarctica*.
- 2555.—**U. campestris**, L. English Elm. Europe, North Africa, Siberia.
Planted, 1897. Hardy.
- 2556.—**U. campestris antarctica**.
Syn., *U. antarctica*, Hort.
Planted, 1897. Hardy.
- 2557.—**U. campestris antarctica aurea**.
Planted, 1899.
- 2558.—**U. campestris antarctica pendula**.
Planted, 1896. Hardy.
- 2559.—**U. campestris belgica**.
Planted, 1893. Hardy.
- 2560.—**U. campestris Berardi**. Berard's Elm.
Planted, 1893. Hardy.

ULMUS—ELM—*Continued.*

- 2561.—**U. campestris betulaeifolia nigrescens.**
Black Birch-leaved Elm.
Planted, 1897. Hardy.
- 2562.—**U. campestris chinensis.**
Syn., *U. sinensis*.
Planted, 1897. Hardy.
- 2563.—**U. campestris Clemmeri.**
Planted, 1893. Hardy.
U. campestris cornubiensis = *U. glabra cornubiensis*.
- 2564.—**U. campestris corylifolia purpurea.**
Planted, 1893. Hardy.
- 2565.—**U. campestris cucullata.**
Planted, 1897. Hardy.
U. campestris Dampieri aurea = *U. montana fastigiata aurea*.
U. campestris Dovaei = *U. montana Dovaei*.
- 2566.—**U. campestris fol. argenteis marginatis.**
Planted, 1897. Hardy.
- 2567.—**U. campestris fol. argenteis variegatis.**
Planted, 1899.
- 2568.—**U. campestris fol. rubris.**
Planted, 1897. Hardy.
- 2569.—**U. campestris Koopmanni.**
Planted, 1897. Half hardy.
- 2570.—**U. campestris latifolia variegata.**
Planted, 1897. Hardy.
- 2571.—**U. campestris Louis van Houtte.**
Planted, 1898.
- 2572.—**U. campestris macrophylla punctata.**
Planted, 1893. Hardy.
- 2573.—**U. campestris microphylla fol. albedentatis.**
Planted, 1899.
- 2574.—**U. campestris modiolina.**
Planted, 1899.
- 2575.—**U. campestris monumentalis.**
Planted, 1893. Half hardy.
- 2576.—**U. campestris myrtifolia purpurea.**
Planted, 1893. Hardy.
- 2577.—**U. campestris punctata.**
Planted, 1898.
- 2578.—**U. campestris purpurea.**
Planted, 1893. Hardy.
- 2579.—**U. campestris Rueppelli.**
Planted, 1897. Hardy.
- 2580.—**U. campestris rugosa.**
Planted, 1898.
- 2581.—**U. campestris sarniensis.**
Planted, 1897. Hardy.
- 2582.—**U. campestris serratifolia.**
Planted, 1893. Hardy.
- 2583.—**U. campestris suberosa alata.**
Planted, 1897. Hardy.

ULMUS—ELM—*Continued.*

- 2584.—**U. campestris suberosa pendula.**
Planted, 1899.
U. campestris urticaefolia = *U. montana crispa*.
- 2585.—**U. campestris variegata argentea.**
Planted, 1893. Hardy.
- 2586.—**U. campestris viminalis.**
Planted, 1897. Hardy.
- 2587.—**U. campestris viminalis marginata.**
Planted, 1897. Hardy.
- 2588.—**U. campestris webbiana.**
Planted, 1899.
- 2589.—**U. crassifolia**, NUTT. Arkansas, Texas.
Planted, 1897. Winter killed. Re-planted, 1899.
U. effusa, Willd. = *U. pedunculata*, Foug.
- 2590.—**U. elliptica**, C. KOCH. Turkestan.
Syns., *U. Heyderi*, Spaeth; *U. sibirica*, Hort.
Planted, 1896. Hardy.
- 2591.—**U. fulva**, MICHX. Slippery or Red Elm.
North America.
Planted, 1893. Hardy.
- 2592.—**U. glabra**, MILL. Smooth or Wych Elm.
Europe.
Planted, 1896. Hardy.
- 2593.—**U. glabra cornubiensis.**
Syn., *U. campestris cornubiensis*.
Planted, 1897. Hardy.
- 2594.—**U. glabra scampstoniensis.**
Planted, 1896. Hardy.
U. Heyderi, Spaeth. = *U. elliptica*, C. Koch.
- 2595.—**U. montana**, WITH. Scotch or Wych Elm.
Europe.
Planted, 1899.
- 2596.—**U. montana atropurpurea.**
Planted, 1896. Hardy.
- 2597.—**U. montana belgica.**
Planted, 1896. Hardy.
- 2598.—**U. montana crispa.**
Syn., *U. campestris urticaefolia*.
Planted, 1896. Hardy.
- 2599.—**U. montana Dovaei.**
Syn., *U. campestris Dovaei*.
Planted, 1893. Hardy.
- 2600.—**U. montana fastigiata.**
Syn., *U. fastigiata Dampieri*; *U. pyramidalis Dampieri*.
Planted, 1896. Hardy.
- 2601.—**U. montana fastigiata aurea.**
Syns., *U. campestris Dampieri aurea*; *U. Wredei aurea*.
Planted, 1893. Hardy.
- 2602.—**U. montana fastigiata glabra.**
Planted, 1898.
- 2603.—**U. montana gigantea.**
Planted, 1897. Hardy.

ULMUS—ELM—*Continued.*

- 2604.—**U. montana horizontalis.**
Planted, 1896. Half hardy.
- 2605.—**U. montana Huntingdoni.**
Planted, 1893. Hardy.
- 2606.—**U. montana laciniata.**
Syn., *U. montana triserrata.*
Planted, 1897. Hardy.
- 2607.—**U. montana latifolia.**
Planted, 1899.
- 2608.—**U. montana latifolia nigricans.**
Planted, 1896. Hardy.
- 2609.—**U. montana lutescens.**
Planted, 1897. Hardy.
- 2610.—**U. montana macrophylla.**
Planted, 1899.
- 2611.—**U. montana monstrosa.**
Planted, 1899.
- 2612.—**U. montana nana.**
Planted, 1898.
- 2613.—**U. montana nigra.**
Planted, 1899.
- 2614.—**U. montana pendula.**
Planted, 1897. Hardy.
U. montana pyramidalis Dampieri = *U. montana fastigiata.*
- 2615.—**U. montana serpentina.**
Planted, 1897. Hardy.
- 2616.—**U. montana superba.**
Planted, 1896. Hardy.
- 2617.—**U. montana tricolor.**
Planted, 1896. Hardy.
U. montana triserrata = *U. montana laciniata.*
- 2618.—**U. montana vegeta.**
Syn., *U. vegeta.*
Planted, 1893. Hardy.
- 2619.—**U. montana viminalis.**
Planted, 1896. Hardy.
- 2620.—**U. parvifolia,** JACQ. Small-leaved Elm.
China and Japan.
Planted, 1899.
- 2621.—**U. pedunculata,** FOUGER. Pedunculate Elm. Europe.
Syn., *U. effusa,* Willd.
Planted, 1896. Hardy.
- 2622.—**U. pinnato-racemosa,** DIECK. Siberia.
Planted, 1898.
- 2623.—**U. pumila,** L. Dwarf Elm. Northern Asia.
Planted, 1898.
- 2624.—**U. racemosa,** D. THOMAS. Cork or Rock Elm. North America.
Planted, 1896. Hardy.
U. sibirica, Hort. = *U. elliptica,* C. Koch.
U. sinensis = *U. campestris chinensis.*
U. suberosa, Moench = *U. campestris suberosa.*

ULMUS—ELM—*Concluded.*

- 2625.—**U. tiliifolia,** HORT.
Planted, 1898.
- 2626.—**U. turkestanica,** REGEL. Turkestan Elm.
Turkestan.
Planted, 1899.
U. vegeta = *U. montana vegeta.*
- 2627.—**U. Wentworthi pendula.**
Planted, 1897. Hardy.
U. Wredei aurea = *U. montana fastigiata aurea.*

VACCINIUM—CRANBERRY, BLUEBERRY, BILBERRY, HUCKLEBERRY.

- 2628.—**V. canadense,** KALM. Canada Blueberry.
North America.
Planted, 1899.
- 2629.—**V. corymbosum,** L. High-bush or Tall Blueberry. North America.
Planted, 1896. Hardy.
- 2630.—**V. Myrtillus,** L. Myrtle-like Blueberry.
Northern Hemisphere.
Planted, 1898.
- 2631.—**V. pensylvanicum,** LAM. Dwarf or Low Bush Blueberry. North America.
Planted, 1899.
- 2632.—**V. vacillans,** SOLAND. Low Blueberry, Blue Huckleberry. New England to North Carolina and Missouri.
Planted, 1897. Half hardy.
- 2633.—**V. Vitis-idaea,** L. Mountain Cranberry.
Northern hemisphere.
Planted, 1899.

VERONICA.

- 2634.—**V. buxifolia** Purple Queen.
Planted, 1899.

VIBURNUM—ARROW-WOOD, LAURESTINUS.

- 2635.—**V. acerifolium,** L. Maple-leaved Arrow-wood. Canada, Northern United States.
Planted, 1898.
- 2636.—**V. bullatum,** HORT.
Planted, 1898.
- 2637.—**V. cassinoides,** L. Withe-rod. Canada, Northern United States.
Syn., *V. pyriferolium,* Pursh.
Planted, 1894. Hardy.
- 2638.—**V. cotinifolium,** D. DON. Himalaya.
Planted, 1897. Hardy.
- 2639.—**V. dentatum,** L. Tooth-leaved Viburnum.
North America.
Planted, 1894. Hardy.
- 2640.—**V. dentatum longifolium.**
Planted, 1897. Hardy.
- 2641.—**V. dilatatum,** THUNB. Japan.
Planted, 1897. Tender.
- 2642.—**V. furcatum,** BLUME. China and Japan.
Planted, 1897. Winter killed.

VIBURNUM—Continued.

- 2643.—**V. hanceanum**, MAXIM. China.
Planted, 1896. Hardy.
- 2644.—**V. japonicum latifolium**.
Planted, 1893. Hardy.
V. Keteleeri, Carr. = *V. macrocephalum*, Fortune.
- 2645.—**V. Lantana**, L. Wayfaring Tree. Europe, N. & W. Asia, N. Africa.
Syn., *L. macrophyllum*, L.
Planted, 1889. Hardy.
- 2646.—**V. Lantana fol. aureo-marginatis**.
Golden Variegated Wayfaring Tree.
Planted, 1896. Hardy.
- 2647.—**V. Lantana foliis lanceolatis**. Lance-leaved Wayfaring Tree.
Planted, 1896. Hardy.
- 2648.—**V. Lantana fol. punctatis**.
Planted, 1896. Hardy.
- 2649.—**V. lantanoides**, MICHX. Lantana-like Viburnum, Hobble-bush. North America.
Planted, 1896. Hardy.
- 2650.—**V. Lentago**, L. Nanny-berry, Sheep-berry. North America.
Planted, 1889. Hardy.
- 2651.—**V. macrocephalum**, FORTUNE. China.
Planted, 1895. Hardy.
V. macrophyllum, Hort. = *V. Lantana*, L.
- 2652.—**V. molle**, MICHX. Soft-leaved Arrow-wood. North America.
Planted, 1896. Hardy.
- 2653.—**V. nepalense**.
Planted, 1893. Hardy.
- 2654.—**V. nudum**, L. Larger Withe-rod. Eastern and Southern United States.
Planted, 1897. Hardy.
- 2655.—**V. odoratissimum**, KER. China.
Planted, 1897. Winter killed.
- 2656.—**V. Opulus**, L. High-bush Cranberry. Wild Guelder-rose. Northern Hemisphere.
Syn., *V. Oxycoccus*, Pursh.
Planted, 1889. Hardy.
V. Opulus globosum = *V. Opulus nanum*.
V. Opulus pygmaeum = *V. Opulus nanum*.
- 2657.—**V. Opulus nanum**. Dwarf High-bush Cranberry.
Syns., *V. Opulus globosum*; *V. Opulus pygmaeum*.
Planted, 1894. Hardy.
- 2658.—**V. Opulus roseum**. Rosy High-bush Cranberry.
Planted, 1896. Hardy.
- 2659.—**V. Opulus roseum Tatteri**.
Planted, 1896. Hardy.
- 2660.—**V. Opulus sterile**. Snow-ball.
Planted, 1889. Hardy.

VIBURNUM—Concluded.

- 2661.—**V. Opulus sterile fol. variegatis**.
Variegated-leaved Snow-ball.
Planted, 1897. Hardy.
V. Oxycoccus, Pursh. = *V. Opulus*, L.
- 2662.—**V. pauciflorum**, PYLAIE. Few-flowered Cranberry-tree. North America.
Planted, 1899.
V. plicatum, Thunb. = *V. tomentosum plicatum*.
- 2663.—**V. prunifolium**, L. Black Haw. North America.
Planted, 1893. Hardy.
- 2664.—**V. pubescens**, PURSH. Downy-leaved Arrow-wood. North America.
Planted, 1899.
V. pyrifolium, Pursh. = *V. cassinoides*, L.
- 2665.—**V. rugosum**.
Planted, 1894. Hardy.
- 2666.—**V. Sieboldi**, MIQ. Japan.
Planted, 1896. Hardy.
- 2667.—**V. tomentosum**, THUNB. Japan.
Planted, 1897. Tender.
- 2668.—**V. tomentosum plicatum**.
Syn., *V. plicatum*, Thunb.
Planted, 1894. Winter killed.
- 2669.—**V. tomentosum plicatum rotundifolium**.
Planted, 1897. Tender.

VIRGILEA—CLADRASTIS.

VIRGIN'S BOWER. See CLEMATIS.

VITEA.

- 2670.—**V. Agnus-castus**, L. Mediterranean region.
Planted, 1897. Tender.
- VITIS**—GRAPE, VIRGINIA CREEPER, IVY.
- 2671.—**V. arborea**, L. South United States.
Syn., *Ampelopsis bipinnata*, Michx.
Planted, 1897. Tender.
- 2672.—**V. citrulloides**.
Syn., *Ampelopsis citrulloides*, Lebas.
Planted, 1899.
- 2673.—**V. Coignetiae**, PUL. & PLANCH. Japan.
Planted, 1899.
V. hederacea = *V. quinquefolia*, Lam.
- 2674.—**V. heterophylla**, THUNB. China and Japan.
Syns., *Ampelopsis aconitifolia*, Hort.; *A. heterophylla*, Sieb. & Zucc.
Planted, 1895. Winter killed.
- 2675.—**V. heterophylla variegata**.
Planted, 1899.
- 2676.—**V. inconstans**, MIQ. Japanese Ivy. China and Japan.
Syns., *Ampelopsis Roylei*, Hort.; *Ampelopsis tricuspidata*, Sieb. & Zucc.; *Ampelopsis Veitchii*, Hort.
Planted, 1897. Tender.

VITIS—Continued.

- 2677.—**V. indivisa**, WILLD. North America.
Planted, 1897. Tender.
- 2678.—**V. Labrusca**, L. Northern Fox Grape.
North America.
Planted, 1896. Hardy.
- 2679.—**V. Maximowiczii**.
Syn., *Ampelopsis Maximowiczii*.
Planted, 1897. Tender.
V. odoratissima, C. Don = *V. riparia mascula*.
- 2680.—**V. orientalis**, BOISS. Orient.
Syn., *Cissus orientalis*, Lam.
Planted, 1895. Winter killed.
- 2681.—**V. pentaphylla**, THUNB. Japan.
Planted, 1897. Degree of hardiness not yet determined.
- 2682.—**V. quinquefolia**, LAM. Virginia Creeper.
North America.
Syn., *Ampelopsis hederacea*, DC.; *Ampelopsis quinquefolia*, Michx.
Planted, 1894. Hardy.
- 2683.—**V. quinquefolia dissecta**.
Planted, 1897.
- 2684.—**V. quinquefolia Engelmanni**.
Syn., *Ampelopsis Engelmanni*.
Planted, 1895. Hardy.
- 2685.—**V. quinquefolia hirsuta**. Hirsute Virginian Creeper.
Syn., *Ampelopsis hirsuta*.
Planted, 1889. Hardy.
- 2686.—**V. quinquefolia latifolia**.
Planted, 1896. Hardy.
- 2687.—**V. quinquefolia minor**.
Planted, 1897. Hardy.
- 2688.—**V. quinquefolia serrata**.
Planted, 1896. Hardy.
- 2689.—**V. riparia**, MICHX. Riverside or Sweet-scented Grape. North America.
Planted, 1896. Hardy.
- 2690.—**V. riparia mascula**.
Syn., *V. odoratissima*, C. Don.
Planted, 1898. Hardy.
- 2691.—**V. rubricaulis**.
Syn., *Ampelopsis rubricaulis*.
Planted, 1895. Tender.
V. Roylei, Hort. = *V. inconstans*, Miq.
- 2692.—**V. serianæfolia**, MAXIM. China and Japan.
Planted, 1899.
- 2693.—**V. Thunbergii**, SIEB. & ZUCC. China and Japan.
Planted, 1897. Tender.
V. tricuspidata (*Ampelopsis tricuspidata*, Sieb. & Zucc.) = *V. inconstans*, Miq.
V. variegata (*Cissus variegata*) = *V. heterophylla variegata*.
V. Veitchii (*Ampelopsis Veitchii*, Hort.) = *V. inconstans*, Miq.

VITIS—Concluded.

WALNUT. See JUGLANS.
WEIGELA. See DIERVILLA.
WILLOW. See SALIX.

WISTARIA.

- 2694.—**W. brachbotrys**, SIEB. & ZUCC. Japan.
Planted, 1899.
- 2695.—**W. chinensis**, DC. Chinese Wistaria.
China.
Syn., *W. sinensis*, Sweet.
Planted, 1897. Tender.
- 2696.—**W. chinensis alba**. White Chinese Wistaria.
Planted, 1897. Tender.
- 2697.—**W. chinensis plena**.
Planted, 1897. Tender.
- 2698.—**W. frutescens**, DC. Shrubby Wistaria.
United States.
Syn., *Glycine frutescens*, L.
Planted, 1897. Tender.
- 2699.—**W. frutescens alba**. White Shrubby Wistaria.
Planted, 1897. Tender.
- 2700.—**W. japonica**, SIEB. & ZUCC. Japan Wistaria. Japan.
Syn., *Millettia japonica*, A. Gray.
Planted, 1897. Tender.
- 2701.—**W. magnifica**.
Planted, 1897. Tender.
- 2702.—**W. multijuga**, VAN HOUTTE. China.
Planted, 1897. Tender.
- 2703.—**W. multijuga alba**.
Planted, 1897. Tender.
W. sinensis, Sweet = *W. chinensis*, DC.
WITCH HAZEL. See HAMAMELIS.

XANTHOCERAS.

- 2704.—**X. sorbifolia**, BUNGE. North China.
Planted, 1899.

XANTHORRHIZA—SHRUB YELLOW-ROOT.

- 2705.—**X. apiifolia**, L'HERIT. Parsley-leaved Yellow root. United States.
Planted, 1894. Hardy.

XANTHOXYLUM—PRICKLY ASH.

- 2706.—**X. americanum**, MILL. Northern Prickly Ash. United States, Canada.
Syn., *X. fraxineum*, Willd.
Planted, 1890. Hardy.
X. fraxineum, Willd. = *X. americanum*, Mill.
- 2707.—**X. piperitum**, DC. China, Japan.
Planted, 1899.
YELLOW-WOOD. See CLADRASTIS.

YUCCA.

- 2708.—*Y. angustifolia*, PURSH. Missouri to Colorado and New Mexico.
Planted, 1898.
- 2709.—*Y. filamentosa*, L. Southern United States.
Planted, 1895. Hardy.
- 2710.—*Y. filamentosa flaccida*.
Planted, 1895. Hardy.
- 2711.—*Y. recurvifolia*, SALISB. Southern United States.
Planted, 1897. Hardy.

ZELKOWA.

- 2712.—*Z. acuminata*, PLANCH. Japan.
Syn., *Z. Keaki*, Maxim.; *Z. japonica*.
Planted, 1897. Hardy.
Z. carpinifolia, Dippel = *Z. crenata*, Spach.
- 2713.—*Z. crenata*, SPACH. Caucasus.
Syn., *Z. carpinifolia*, Dipp.: *Planera Richardi*, Michx.
Planted, 1897. Half hardy.
- 2714.—*Z. cuspidata*.
Syn., *Planera cuspidata*.
Planted, 1897. Half hardy.
Z. japonica = *Z. acuminata*.
- 2715.—*Z. japonica Verschaefelti*.
Syn., *Z. Verschaefelti*, Dippel.
Planted, 1899.
Z. Keaki, Maxim. = *Z. acuminata*, Planch.
Z. Richardi (*Planera Richardi*, Michx.) = *Z. crenata* Spach.
Z. Verschaefelti, Dippel = *Z. japonica Verschaefelti*.

LIST OF CONIFERÆ.

ABIES—FIR—SPRUCE.

- Abies alba*, Michx. = *Picea alba*, Link.
- A. ajanensis*, Veitch. = *Picea ajanensis*, Fisch.
- A. alcockiana*, Veitch. = *Picea alcockiana*, Carr.
- 2716.—*A. amabilis*, FORBES. Lovely Silver Fir. British Columbia to Oregon.
Planted, 1899.
A. Apollinis, Link. = *A. cephalonica*, Loud.
- 2717.—*A. balsamea*, MILL. Balsam Fir. North East America.
Planted, 1890. Hardy.
- 2718.—*A. balsamea globosa*. Globose Balsam Fir.
Planted, 1895. Hardy.
A. balsamea Fraseri = *A. Fraseri*, Lindl.
A. balsamea Fraseri albo-variegata = *A. Fraseri albo-variegata*.

ABIES—Continued.

- 2719.—*A. balsamea variegata*. Variegated Balsam Fir.
Planted, 1899.
- 2720.—*A. balsamea* (wide-leaved form).
Planted, 1896. Hardy.
A. bicolor, Maxim. = *Picea alcockiana*, Carr.
- 2721.—*A. brachyphylla*, MAXIM. Japan.
Planted, 1897. Hardy.
- 2722.—*A. cephalonica*, LOUD. Cephalonian Fir. Mountains of Greece.
Syn., *A. Apollinis*, Link.
Planted, 1894. Half hardy.
- 2723.—*A. cilicica*, CARR. Cilician Fir. Cilician Taurus.
Planted, 1897. Hardy.
- 2724.—*A. concolor*, LINDL. & GORD. One Coloured Fir. Colorado, Utah, Arizona.
Planted, 1893. Hardy.
- 2725.—*A. concolor violacea*.
Planted, 1898.
A. Douglasii, Lindl. = *Pseudotsuga Douglasii*, Carr.
A. Engelmanni, Parry = *Picea Engelmanni*, Engelm.
A. excelsa, DC. = *Picea excelsa*, Link.
- 2726.—*A. firma*, SIEB. & ZUCC. Japan.
Planted, 1897. Hardy.
- 2727.—*A. Fraseri*, LINDL. Fraser's Balsam Fir. Mountains of Carolina.
Planted, 1899.
- 2728.—*A. Fraseri albo-variegata*. Variegated Fraser's Balsam Fir.
Syn., *A. balsamea Fraseri albo-variegata*.
Planted, 1898.
- 2729.—*A. lasiocarpa*, HOOK. British Columbia to Colorado.
Syn., *A. subalpina*, Engelm.
Planted, 1895. Hardy.
- 2730.—*A. magnifica*, A. MURR. California Sierras.
Planted, 1895. Half hardy.
- 2731.—*A. magnifica glauca*.
Planted, 1899.
A. Maximowiczii, Hort. = *Picea Maximowiczii*, Regel.
A. Menziesii, Loud. = *Picea sitchensis*, Trautv. & Mey.
A. Morinda, Loud. = *Picea Morinda*, Link.
A. nigra, Poir. = *Picea nigra*, Link.
- 2732.—*A. nobilis*, LINDL. Noble Silver Fir. Oregon, California.
Planted, 1895. Hardy.
- 2733.—*A. nobilis argentea*. Variegated Noble Fir.
Planted, 1898.
- 2734.—*A. nobilis glauca*. Glauconous Noble Fir.
Planted, 1895. Hardy.

ABIES—Concluded.

- 2735.—**A. nordmanniana**, SPACH. Nordmann's Fir. Crimea.
Planted, 1895. Hardy.
- 2736.—**A. numidica**, DE LANNON. Algerian Mountains.
Planted, 1897. Hardy.
A. orientalis, Poir. = *Picea orientalis*, Carr.
A. parryana glauca = *Picea pungens glauca*.
- 2737.—**A. pectinata**, DC. European Silver Fir. Mountains of Central and Southern Europe.
Planted, 1897. Hardy.
- 2738.—**A. pectinata pendula**. Drooping European Silver Fir.
Planted, 1894. Hardy.
A. pichia, Forbes = *A. sibirica*, Ledeb.
- 2739.—**A. Pinsapo**, BOISS. Pinsapo Silver Fir. Mountains of Southern Spain.
Planted, 1894. Winter killed.
A. polita, Sieb. & Zucc. = *Picea polita*, Carr.
A. Remonti = *Picea excelsa Remonti*.
- 2740.—**A. sachalinensis**, MAST. Sachalin, Yesso.
Syn., *A. Veitchii sachalinensis*.
Planted, 1899.
- 2741.—**A. sibirica**, LEDEB. Siberian Fir. North and East Russia.
Syn., *A. Pichia*, Forbes.
Planted, 1894. Winter killed. Re-planted, 1899.
A. subalpina, Engelm. = *A. lasiocarpa*, Hook.
- 2742.—**A. umbilicata**, MAYR.
Planted, 1897. Died. Re-planted, 1899.
- 2743.—**A. Veitchii**, LINDL. Mountains of Japan.
Planted, 1897. Hardy.
A. Veitchii sachalinensis = *A. sachalinensis*, Mast.
ARBOR VITAE. See THUYA.
BIOTA. See THUYA.

CEDRUS—CEDAR.

- 2744.—**C. atlantica**, MANETTI. North Africa.
Planted, 1895. Winter killed.
- 2745.—**C. atlantica glauca**.
Planted, 1895. Tender.
- 2746.—**C. Deodara**, LOUD. Deodar Cedar. Himalaya.
Planted, 1895. Winter killed.
- 2747.—**C. Deodara variegata**. Variegated Deodar Cedar.
Planted, 1895. Winter killed.
- 2748.—**C. Deodara verticillata glauca**. Glau-
cous Deodar Cedar.
Planted, 1895. Winter killed.
- 2749.—**C. Libani**, LOUD. Cedar of Lebanon.
Syrian Mountains.
Planted, 1895. Tender.

CEPHALOTAXUS.

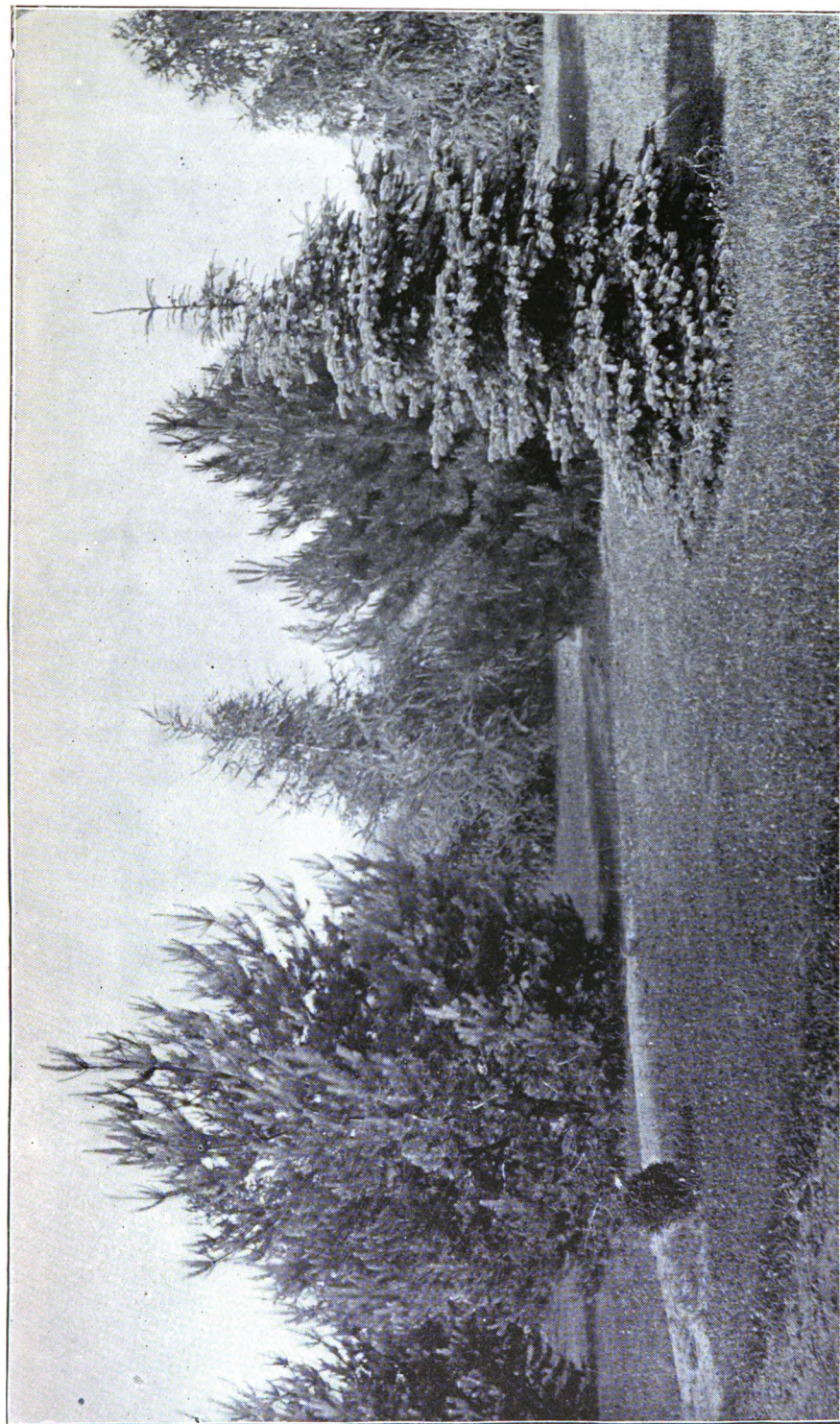
- 2750.—**C. drupacea**, SIEB. & ZUCC. Japan.
Planted, 1895. Winter killed.
- 2751.—**C. Fortuni**, HOOK. Northern China.
Planted, 1897. Half hardy.
- 2752.—**C. pedunculata fastigiata**.
Syn., *Podocarpus koraianus*, Hort.
Planted, 1895. Winter killed. Re-planted, 1899.
CHAMAECYPARIS. See CUPRESSUS.

CRYPTOMERIA.

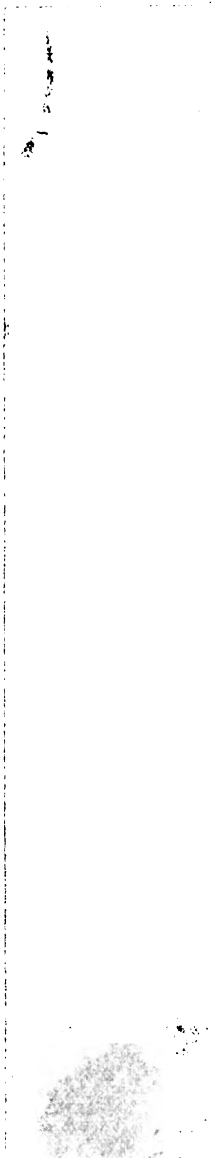
- 2753.—**C. japonica**, D. DON. Japanese Cryptomeria. Mountains of Japan and China.
Planted, 1895. Winter killed.

CUPRESSUS—CYPRESS.**CHAMAECYPARIS.**

- 2754.—**C. Hoopesii**.
Planted, 1894. Hardy.
- 2755.—**C. lawsoniana**, A. MURR. Lawson's Cypress. North California, Oregon.
Syn., *Chamaecyparis lawsoniana*, Parl.
Planted, 1895. Tender.
- 2756.—**C. lawsoniana aurea nova**. Golden Lawson's Cypress.
Planted, 1895. Winter killed.
- 2757.—**C. lawsoniana compacta**.
Planted, 1895. Half hardy.
- 2758.—**C. lawsoniana erecta alba**.
Planted, 1898.
- 2759.—**C. lawsoniana erecta viridis**. Erect Lawson's Cypress.
Planted, 1895. Half hardy.
- 2760.—**C. lawsoniana Fraseri**.
Planted, 1898.
- 2761.—**C. lawsoniana glauca**. Glau-
cous Lawson's Cypress.
Planted, 1895. Winter killed.
- 2762.—**C. lawsoniana globosa**. Globose Lawson's Cypress.
Planted, 1895. Half hardy.
- 2763.—**C. lawsoniana lutea**. Yellow Lawson's Cypress.
Planted, 1895. Winter killed. Re-planted, 1898.
- 2764.—**C. lawsoniana minima glauca**.
Planted, 1898.
- 2765.—**C. lawsoniana monumentalis**.
Planted, 1898.
- 2766.—**C. lawsoniana nana glauca**.
Planted, 1898.
- 2767.—**C. lawsoniana nana argenteis variegatis**.
Planted, 1898.
- 2768.—**C. lawsoniana robusta**.
Planted, 1898.
- 2769.—**C. lawsoniana. Silver Queen**.
Planted, 1895. Half hardy.



Group of Conifers in the Arboretum at the Central Experimental Farm.



CUPRESSUS—CYPRESS—*Continued.*

- 2770.—**C. lawsoniana versicolor.**
Planted, 1898.
- 2771.—**C. nootkatensis**, LAMB. Nootka Sound Cypress. Oregon, British Columbia.
Syn., *Chamaecyparis nutkaensis*, Spach.; *Thuopsis borealis*, Hort.
Planted, 1895. Hardy.
- 2772.—**C. nootkatensis glauca.** Glauous Nootka Sound Cypress.
Planted, 1890. Hardy.
- 2773.—**C. nootkatensis pendula.** Drooping Nootka Sound Cypress.
Planted, 1897. Hardy.
- 2774.—**C. nootkatensis viridis.** Green Nootka Sound Cypress.
Planted, 1898.
- 2775.—**C. nootkatensis Wisseli.**
Planted, 1898.
- 2776.—**C. obtusa**, C. KOCH. Obtuse Cypress. Mountains of Japan.
Syn., *Retinospora obtusa*, Sieb. & Zucc.
Planted, 1894. Hardy.
- 2777.—**C. obtusa aurea.** Golden Obtuse Cypress.
Planted, 1898.
- 2778.—**C. obtusa flicoides.** Thread-like Obtuse Cypress.
Planted, 1899.
- 2779.—**C. obtusa gracilis aurea.** Golden Obtuse Cypress.
Planted, 1899.
- 2780.—**C. obtusa lycopodioides.**
Syn., *Retinospora lycopodioides*.
Planted, 1894. Hardy.
- 2781.—**C. obtusa nana.** Dwarf Obtuse Cypress.
Planted, 1894. Hardy.
- 2782.—**C. obtusa nana aurea.** Golden Dwarf Obtuse Cypress.
Planted, 1896. Hardy.
- 2783.—**C. obtusa robusta.** Robust Obtuse Cypress.
Planted, 1896. Hardy.
- 2784.—**C. obtusa viridis.** Green Obtuse Cypress.
Planted, 1899.
- 2785.—**C. pisifera**, C. KOCH. Mountains of Japan.
Syn., *Retinospora pisifera*, Sieb. & Zucc.
Planted, 1894. Hardy.
- 2786.—**C. pisifera aurea.**
Planted, 1898.
- 2787.—**C. pisifera filifera.**
Syn., *Retinospora filifera*.
Planted, 1893. Hardy.
- 2788.—**C. pisifera filifera aurea.**
Planted, 1899.
- 2789.—**C. pisifera plumosa.** Plumose Retinospora.
Planted, 1890. Hardy.

CUPRESSUS—CYPRESS—*Concluded.*

- 2800.—**C. pisifera plumosa argentea.** Silver Plumose Retinospora.
Planted, 1897. Hardy.
- 2801.—**C. pisifera plumosa aurea.** Golden Plumose Retinospora.
Planted, 1890. Hardy.
- 2802.—**C. pisifera plumosa aurea nana.**
Planted, 1897. Hardy.
- 2803.—**C. pisifera plumosa compacta.**
Planted, 1894. Hardy.
- 2804.—**C. pisifera plumosa flavescens.**
Planted, 1899.
- 2805.—**C. pisifera plumosa lutescens.**
Planted, 1896. Hardy.
- 2806.—**C. pisifera squarrosa.**
Planted, 1893. Hardy.
- 2807.—**C. pisifera squarrosa sulphurea.**
Planted, 1899.
- 2808.—**C. pisifera stricta.**
Planted, 1899.
- 2809.—**C. pisifera stricta lutescens.**
Planted, 1896. Hardy.
- 2810.—**C. pisifera sulphurea.**
Planted, 1897. Hardy.
- 2811.—**C. thyoides**, L. Southern White Cedar. East United States.
Syn., *Chamaecyparis sphaeroidea*, Spach.
Planted, 1894. Hardy.
- 2812.—**C. thyoides glauca.**
Planted, 1897. Hardy.
CYPRESS. See CUPRESSUS.
CYPRESS, BALD. See TAXODIUM.
FIR. See ABIES.

GINKGO—MAIDEN-HAIR TREE.

- 2813.—**G. biloba**, L. Maiden-hair Tree. China.
Syn., *Salisburia adiantifolia*, Salisb.
Planted, 1889. Hardy.
- 2814.—**G. biloba fastigiata.** Pyramidal Maiden-hair Tree.
Planted, 1895. Hardy.
- 2815.—**G. biloba variegata.** Variegated Maiden-hair Tree.
Planted, 1897. Hardy.
Glyptostrobus pendulus, Enull. = *Taxodium distichum pendulum*.
HEMLOCK. See TSUGA.

JUNIPERUS—JUNIPER.

- 2816.—**J. bermudiana**, L. Bermuda Juniper.
Planted, 1895. Hardy.
- 2817.—**J. chinensis**, L. Chinese Juniper. Himalaya, China and Japan.
Syn., *J. japonica*, Carr.
Planted, 1897. Hardy.

JUNIPERUS—JUNIPER—Continued.

- 2818.—*J. chinensis argenteo-variegata*. Silver Variegated Chinese Juniper.
Planted, 1896. Hardy.
- 2819.—*J. chinensis aurea*. Golden Chinese Juniper.
Planted, 1896. Half hardy.
- 2820.—*J. chinensis femina*.
Planted, 1896. Hardy.
- 2821.—*J. chinensis jacobiniana*.
Planted, 1896. Hardy.
- 2822.—*J. chinensis leeana*.
Planted, 1897. Hardy.
- 2823.—*J. chinensis mascula*.
Planted, 1898.
- 2824.—*J. chinensis pendula*. Drooping Chinese Juniper.
Planted, 1898.
- 2825.—*J. chinensis procumbens*.
Planted, 1898.
- 2826.—*J. chinensis procumbens aurea*. Golden Creeping Chinese Juniper.
Planted, 1896. Hardy.
- 2827.—*J. chinensis Triomphe d'Angers*.
Planted, 1899.
- 2828.—*J. communis*, L. Common Juniper. America, Europe, Siberia.
Growing naturally. Hardy.
- 2829.—*J. communis alpina*. Low Juniper.
Syn., *J. nana canadensis*.
Planted, 1898.
- 2830.—*J. communis alpina aurea*.
Planted, 1897. Hardy.
- 2831.—*J. communis aurea*. Golden Juniper.
Planted, 1890. Hardy.
- 2832.—*J. communis aureo-variegata*. Variegated Juniper.
Planted, 1898.
- 2833.—*J. communis fastigiata*. Irish Juniper.
Syns., *J. hibernica*, *Gord.*; *J. suecica*, *Mill.*
Planted, 1890. Hardy.
- 2834.—*J. communis fastigiata compacta*.
Planted, 1894. Hardy.
J. communis hibernica = *J. communis fastigiata*.
- 2835.—*J. communis oblonga pendula*.
Planted, 1897. Hardy.
J. communis suecica = *J. communis fastigiata*.
- 2836.—*J. communis uralensis*.
Planted, 1896. Hardy.
- 2837.—*J. davurica*, *PALL.* Siberia.
Planted, 1896. Hardy.
- 2838.—*J. drupacea*, *LABILL.* Greece, Asia Minor, Syria.
Planted, 1898.
J. elegans variegata = *J. virginiana elegans variegata*.

JUNIPERUS—JUNIPER—Continued.

- 2839.—*J. excelsa stricta*.
Syn., *J. stricta*, *Hort.*
Planted, 1890. Hardy.
- 2840.—*J. excelsa vera*.
Planted, 1899.
J. fragrans, *Knight* = *J. virginiana pyramidalis*.
J. glauca, *Willd.* = *J. virginiana glauca*.
J. hibernica, *Gord.* = *J. communis fastigiata*.
J. japonica, *Carr.* = *J. chinensis*, *L.*
- 2841.—*J. litoralis*, *MAXIM.* Japan.
Planted, 1897. Hardy.
- 2842.—*J. macrocarpa*, *SIBTH.* Mediterranean Region.
Syn., *J. neaboriensis*, *Hort.*
Planted, 1890. Hardy.
J. nana canadensis = *J. communis alpina*.
- 2843.—*J. Oxycedrus*, *L.* South Europe.
Planted, 1899.
- 2844.—*J. pseudo-sabina*, *FISH. & MEY.* Siberia. Himalaya, Tibet.
Planted, 1896. Hardy.
- 2845.—*J. recurva*, *BUCH-HAM.* Nepal, Cashmir.
Syn., *J. repanda*, *Hort.*
Planted, 1899.
- 2846.—*J. recurva squamata*.
Planted, 1896. Hardy.
J. repanda, *Hort.* = *J. recurva*, *Buch-Ham.*
J. retinospora = *Cupressus ericoides*.
- 2847.—*J. rigida*, *SIEB. & ZUCC.* Mountains of Japan.
Planted, 1896. Hardy.
- 2848.—*J. Sabina*, *L.* Common Savin. Mountains of Europe and N. America.
Planted, 1893. Hardy.
- 2849.—*J. Sabina erecta*. Erect Savin.
Planted, 1896. Hardy.
- 2850.—*J. Sabina humilis*. Dwarf Savin.
Planted, 1896. Hardy.
- 2851.—*J. Sabina mascula*.
Planted, 1899.
- 2852.—*J. Sabina procumbens*. Creeping Savin.
Planted, 1899.
- 2853.—*J. Sabina tamariscifolia*. Tamarisk-leaved Savin.
Planted, 1894. Hardy.
- 2854.—*J. Sabina variegata*. Variegated Savin.
Planted, 1896. Hardy.
J. Schottii, *Hort.* = *J. virginiana Schottii*.
J. sinensis, *J. F. Gmel.* = *J. chinensis*, *L.*
- 2855.—*J. sphaerica*, *LINDL.* North China.
Planted, 1897. Hardy.
J. stricta, *Hort.* = *J. excelsa stricta*.
J. suecica, *Mill.* = *J. communis fastigiata*.
J. tamariscifolia, *Hort.* = *J. Sabina tamariscifolia*.
J. tripartita = *J. virginiana tripartita*.

JUNIPERUS—JUNIPER—*Concluded.*

- 2856.—**J. virginiana**, L. Red Cedar, Virginian Juniper. North-East America to Florida and Jamaica, and in Vancouver. Planted, 1896. Hardy.
- 2857.—**J. virginiana albo-variegata**. Variegated Virginian Juniper. Planted, 1897. Hardy.
- 2858.—**J. virginiana argentea**. Planted, 1899.
- 2859.—**J. virginiana Cannartii**. Planted, 1896. Hardy.
- 2860.—**J. virginiana Chamberlaynii**. Planted, 1896. Hardy.
- 2861.—**J. virginiana cinerascens**. Planted, 1896. Hardy.
- 2862.—**J. virginiana elegans variegata**. *Syn.*, *J. elegans variegata*. Planted, 1899.
- 2863.—**J. virginiana elegantissima**. Elegant Virginian Juniper. Planted, 1896. Hardy.
- 2864.—**J. virginiana glauca**. Glauous Virginian Juniper. Planted, 1895. Hardy.
- 2865.—**J. virginiana glauca pendula**. Planted, 1897. Died. Re-planted, 1899.
- 2866.—**J. virginiana interrupta**. Planted, 1897. Died. Re-planted, 1899.
- 2867.—**J. virginiana kosteriana**. Planted, 1897. Hardy.
- 2868.—**J. virginiana nana**. Dwarf Virginian Juniper. Planted, 1897. Died. Re-planted, 1899.
- 2869.—**J. virginiana nana compacta**. Planted, 1898.
- 2870.—**J. virginiana pendula**. Drooping Virginian Juniper. Planted, 1897. Hardy.
- 2871.—**J. virginiana plumosa**. Plumose Virginian Juniper. Planted, 1897. Hardy.
- 2872.—**J. virginiana plumosa alba**. Planted, 1898.
- 2873.—**J. virginiana pyramidalis**. Pyramidal Virginian Juniper. *Syn.*, *J. fragrans*, Knight. Planted, 1896. Hardy.
- 2874.—**J. virginiana Schottii**. Planted, 1894. Hardy.
- 2875.—**J. virginiana Triomphe d'Angers**. Planted, 1896. Hardy.
- 2876.—**J. virginiana tripartita**. Planted, 1897. Hardy.

LARIX—LARCH—TAMARACK.

- L. americana*, Michx. = *L. pendula*, Salisb.
- 2877.—**L. davurica japonica**. Planted, 1896. Hardy.
- 2878.—**L. europaea**, DC. European Larch. European Alps. Planted, 1889. Hardy.
- 2879.—**L. europaea glauca pendula**. Planted, 1899.
- 2880.—**L. europaea pendula**. Drooping European Larch. Planted, 1893. Hardy.
L. Kämpferi, Carr. = *Pseudolarix Kämpferi*, Gord.
L. Ledebourii, Rupr. = *L. sibirica*, Ledeb.
- 2881.—**L. leptolepis**, ENDL. Japan. Planted, 1899.
- 2882.—**L. leptolepis murrayana**. Planted, 1896.
- 2883.—**L. Lyallii**, PARL. North-Western North America. Planted, 1899.
- 2884.—**L. occidentalis**, NUTT. North-Eastern America. Planted, 1899.
- 2885.—**L. pendula**, SALISB. American Larch. Tamarack. North America.
Syn., *L. americana*, Michx.
Planted, 1889. Hardy.
- 2886.—**L. sibirica**, LEDEB. Siberian Larch. Siberia.
Syn., *L. Ledebourii*, Rupr.
Planted, 1896. Hardy.

LIBOCEDRUS.

- 2887.—**L. chilensis**, ENDL. Chilian Andes. Planted, 1895. Winter killed.
- 2888.—**L. viridis**. Planted, 1895. Winter killed.
MAIDEN-HAIR TREE. See GINKGO.

PICEA—SPRUCE.

- 2889.—**P. alba**, LINK. White Spruce. North-Eastern America, British Columbia.
Syn., *Abies alba*, Michx.
Planted, 1889. Hardy.
- 2890.—**P. alba aurea**. Golden White Spruce. Planted, 1897. Hardy.
- 2891.—**P. alba compacta**. Planted, 1898.
- 2892.—**P. alba coerulea**. Planted, 1897. Hardy.
- 2893.—**P. alba coerulea Hudsoni**. Planted, 1899.
- 2894.—**P. alba echiniformis**. Planted, 1899.
- 2895.—**P. alba nivea**. Planted, 1899.

PICEA—SPRUCE—*Continued.*

- 2896.—**P. alba wœrlitzensis.**
Planted, 1897. Died to near ground.
- 2897.—**P. ajanensis,** FISCH. Amoor, Japan.
Planted, 1896. Hardy.
- 2898.—**P. alcockiana,** CARR. Alcock's Spruce.
Japan.
Planted, 1890. Hardy.
- 2899.—**P. Engelmanni,** ENGELM. Engelmann's
Spruce. British Columbia, Oregon to
Arizona.
Planted, 1897. Hardy.
- 2900.—**P. Engelmanni argentea.**
Planted, 1897. Hardy.
- 2901.—**P. Engelmanni glauca.**
Planted, 1895. Hardy.
- 2902.—**P. excelsa,** LINK. Norway Spruce. Moun-
tains of Northern and Central Europe.
Planted, 1890. Hardy.
- 2903.—**P. excelsa argentea.** Silvered Norway
Spruce.
Planted, 1898.
- 2904.—**P. excelsa aurea.** Golden Norway Spruce.
Planted, 1896. Hardy.
- 2905.—**P. excelsa aurea magnifica.**
Planted, 1898.
- 2906.—**P. excelsa carpathica.**
Planted, 1897. Hardy.
- 2907.—**P. excelsa clanbrassiliana.**
Planted, 1895. Hardy.
- 2908.—**P. excelsa compacta.** Compact Norway
Spruce.
Planted, 1895. Hardy.
- 2909.—**P. excelsa compacta pyramidalis.**
Planted, 1897. Hardy.
- 2910.—**P. excelsa Cranstoni.**
Planted, 1897. Died. Re-planted, 1899.
- 2911.—**P. excelsa Doumetti.**
Planted, 1895. Hardy.
- 2912.—**P. excelsa dumosa.**
Planted, 1897. Hardy.
- 2913.—**P. excelsa elegans.**
Planted, 1899.
- 2914.—**P. excelsa Eremita.**
Planted, 1896. Hardy.
- 2915.—**P. excelsa finedonensis.**
Planted, 1895. Hardy.
- 2916.—**P. excelsa gregoryana.**
Planted, 1897. Half hardy.
- 2917.—**P. excelsa inverta.**
Planted, 1890. Hardy.
- 2918.—**P. excelsa Maxwelli.**
Planted, 1896. Hardy.
- 2919.—**P. excelsa Merkkii.**
Planted, 1895. Hardy.
- 2920.—**P. excelsa mucronata.**
Planted, 1897. Hardy.

PICEA—SPRUCE—*Continued.*

- 2921.—**P. excelsa nana.** Dwarf Norway Spruce.
Planted, 1897. Hardy.
- 2922.—**P. excelsa pendula major.**
Planted, 1898.
- 2923.—**P. excelsa pinsapoides.**
Planted, 1895. Hardy.
- 2924.—**P. excelsa pumila.**
Planted, 1897. Hardy.
- 2925.—**P. excelsa pygmaea.**
Planted, 1895. Hardy.
- 2926.—**P. excelsa pyramidalis.** Pyramidal Nor-
way Spruce.
Planted, 1896. Hardy.
- 2927.—**P. excelsa Remontii.**
Planted, 1895. Hardy.
- 2928.—**P. excelsa repens.**
Planted, 1898.
- 2929.—**P. excelsa variegata.** Variegated Norway
Spruce
Planted, 1897. Hardy.
- 2930.—**P. Hookerii.**
Planted, 1899.
- 2931.—**P. Maximowiczii,** Regel. Japan.
Planted, 1899.
*P. Menziesii, Carr. = P. sitchensis, Trautv.
& Mey.*
- 2932.—**P. Morinda,** LINK. Himalaya.
Planted, 1897. Hardy.
- 2933.—**P. nigra,** LINK. Black Spruce. North
Eastern America.
Planted, 1890. Hardy.
- 2934.—**P. nigra Doumetti.**
Planted, 1897. Hardy.
- 2935.—**P. nigra pumila.** Small Black Spruce.
Planted, 1896. Hardy.
- 2936.—**P. obovata japonica.**
Planted, 1898.
- 2937.—**P. obovata schrenkiana.**
Syn., P. schrenkiana.
Planted, 1896. Hardy.
- 2938.—**P. Omorica,** MAST. Servia, Bosnia.
Planted, 1897. Hardy.
- 2939.—**P. orientalis,** CARR. Oriental Spruce.
Mountains of the Taurus and Caucasus.
Planted, 1894. Hardy.
- 2940.—**P. orientalis pygmaea.** Dwarf Oriental
Spruce.
Planted, 1897. Hardy.
- 2941.—**P. polita,** CARR. Mountains of Japan.
Syn., Abies polita, Sieb. & Zucc.
Planted, 1894. Hardy.
- 2942.—**P. pungens,** ENGELM. Rocky Mountain
Blue Spruce. Colorado, Utah, and
California.
Planted, 1889. Hardy.
- 2943.—**P. pungens argentea.**
Planted, 1897. Hardy.

PICEA—SPRUCE—*Concluded.*

- 2944.—**P. pungens** (dwarf).
Planted, 1896. Hardy.
- 2945.—**P. pungens glauca**.
Planted, 1889. Hardy.
- 2946.—**P. pungens Kosteri glauca**.
Planted, 1898.
- 2947.—**P. rubra**, LINK. Red Spruce. Eastern North America.
Planted, 1896. Hardy.
P. schrenkiana = *P. obovata schrenkiana*.
- 2948.—**P. sitchensis**, TRAUTV. & MEY. North-West America.
Syn., *P. Menziesii*, Dougl.
Planted, 1895. Hardy.

PINUS—PINE.

P. austriaca, Hoess. = *P. Laricio nigricans*.

- 2949.—**P. banksiana**, LAMB. Labrador Pine. Banksian Pine. North-Eastern Canada and United States.
Planted, 1896. Hardy.
P. benthamiana, Hartw. = *P. ponderosa*, Dougl.
- 2950.—**P. Cembra**, L. Stone Pine. Mountains of Central Europe, Siberia.
Planted, 1889. Hardy.
- 2951.—**P. Cembra sibirica**. Siberian Stone Pine.
Planted, 1896. Hardy.
- 2952.—**P. contorta**, DOUGL. Twisted Pine. North-West America, near the coast.
Planted, 1897. Hardy.
- 2953.—**P. contorta murrayana**. Murray's Twisted Pine.
Planted, 1896. Hardy.
- 2954.—**P. densiflora**, SIEB. & ZUCC. Japan.
Planted, 1897. Hardy.
- 2955.—**P. densiflora aureo-variegata**.
Planted, 1897. Winter killed.
- 2956.—**P. densiflora oculus draconis**.
Planted, 1897. Hardy.
- 2957.—**P. excelsa**, WALL. Lofty Pine. Temperate Himalaya.
Planted, 1890. Hardy.
- 2958.—**P. halepensis**, MILL. Aleppo Pine. Mediterranean Region.
Planted, 1895. Winter killed.
- 2959.—**P. inops**, SOLAND. Jersey Pine. Scrub Pine. North-Eastern United States.
Planted, 1899.
- 2960.—**P. Jeffreyi**, A. MURR. Jeffrey's Pine. California.
Planted, 1889. Winter killed.
- 2961.—**P. koraiensis**, SIEB. & ZUCC. Korea, Japan.
Planted, 1896. Hardy.
- 2962.—**P. koraiensis variegata**.
Planted, 1897. Hardy.

PINUS—PINE—*Concluded.*

- 2963.—**P. Laricio**, POIR. Corsican Pine. South Europe, Levant.
Planted, 1897. Half hardy.
- 2964.—**P. Laricio nana compacta**. Dwarf Compact Corsican Pine.
Planted, 1890. Hardy.
- 2965.—**P. Laricio nigricans**. Black Corsican Pine. Austrian Pine.
Syn., *P. austriaca*, Hoess.
Planted, 1889. Hardy.
P. massoniana, Sieb. & Zucc. = *P. Thunbergii*, Parl.
- 2966.—**P. montana**, DUROI. Mountain Pine. Mountains of Central and Southern Europe.
Planted, 1895. Hardy.
- 2967.—**P. montana Mughus**. Dwarf Mountain Pine.
Syn., *P. Mughus*, Scop.
Planted, 1890. Hardy.
P. Mughus, Scop. = *P. montana Mughus*.
P. murrayana, Lemmon = *P. contorta murrayana*.
- 2968.—**P. parviflora**, SIEB. & ZUCC. Japan.
Planted, 1899.
- 2969.—**P. Penke**, GRISEB. Macedonia.
Planted, 1896. Hardy.
- 2970.—**P. ponderosa**, DOUGL. Heavy Wooded Pine. British Columbia to Texas.
Planted, 1890. Hardy.
- 2971.—**P. resinosa**, SOLAND. Red Pine. North-Eastern America.
Planted, 1889. Hardy.
P. rigensis, Desf. = *P. sylvestris*, L.
- 2972.—**P. rigida**, MILL. Pitch Pine. Torch Pine. Eastern United States.
Planted, 1899.
- 2973.—**P. Strobus**, L. White Pine. Weymouth Pine. Canada, North-Eastern America.
Planted, 1889. Hardy.
- 2974.—**P. Strobus densa**. Dense White Pine.
Planted, 1896. Hardy.
- 2975.—**P. Strobus umbraculifera**.
Planted, 1895. Hardy.
- 2976.—**P. sylvestris**, L. Scotch Pine. Northern Europe, Asia.
Syn., *P. rigensis*, Desf.
Planted, 1890. Hardy.
- 2977.—**P. sylvestris argentea**. Silvered Scotch Pine.
Planted, 1897. Hardy.
P. sylvestris rigensis = *P. sylvestris*, L.
- 2978.—**P. Thunbergii**, PARL. Japan.
Syn., *P. massoniana*, Sieb. & Zucc.
Planted, 1897. Hardy.
Podocarpus koraianus, Hort. = *Cephalotaxu pedunculata fastigiata*.

PSEUDOLARIX.

- 2979.—**P. Kaempferi**, GORD. China.
Planted, 1899.

PSEUDOTSUGA.

- 2980.—**P. Douglasii**, CARR. Douglas' Spruce.
North Western America.
Syn., *P. taxifolia*, Britton.
Planted, 1899. Hardy.
- 2981.—**P. Douglasii argentea**.
Planted, 1899.
- 2982.—**P. Douglasii glauca**. Glauous Douglas
Spruce.
Planted, 1897. Hardy.
P. taxifolia, Britton = *P. Douglasii*, Carr.
RETINOSPORA. See CUPRESSUS.
SALISBURIA. See GINGKO.
SPRUCE. See PICEA.
TAMARACK. See LARCH.

TAXODIUM—BALD CYPRESS.

- 2983.—**T. distichum**, RICH. Southern United
States.
Planted, 1893. Half hardy.
- 2984.—**T. distichum pendulum**. Pendulous
Bald Cypress.
Syn., *Glyptostrobus pendulus*, Endl.
Planted, 1893. Half hardy.
T. sempervirens, Lamb. = *Sequoia semper-
virens*, Endl.

TAXUS—YEW.

- 2985.—**T. baccata**, L. Yew. Europe and
Northern Asia.
Syn., *T. tardiva*, Laws.
Planted, 1895. Half hardy.
- 2986.—**T. baccata adpressa**.
Planted, 1898.
- 2987.—**T. baccata adpressa stricta**.
Planted, 1895. Tender.
- 2988.—**T. baccata albo-variegata**. White
variegated Yew.
Planted, 1895. Winter killed. Re-planted,
1899.
- 2989.—**T. baccata aurea**. Golden Yew.
Planted, 1895. Hardy.
- 2990.—**T. baccata brevifolia**. Short-leaved
Yew.
Syn., *T. brevifolia*, Nutt.
Planted, 1899.
- 2991.—**T. baccata cheshuntensis**.
Planted, 1899.
- 2992.—**T. baccata elegantissima**. Elegant
Yew.
Planted, 1895. Winter killed.
- 2993.—**T. baccata elegantissima variegata**.
Variegated Elegant Yew.
Planted, 1895. Winter killed.

TAXUS—YEW—Concluded.

- 2994.—**T. baccata fastigiata**. Pyramidal Yew.
Syns., *T. hibernica*, Hook.; *T. baccata hi-
bernica*.
Planted, 1895. Hardy when protected.
T. baccata hibernica = *T. baccata fastigiata*.
T. brevifolia, Nutt. = *T. baccata brevifolia*.
- 2995.—**T. canadensis**, WILLD. American Yew.
Canada and North-Eastern United
States.
Planted, 1893. Hardy.
- 2996.—**T. canadensis aurea**. Golden American
Yew.
Planted, 1899.
- 2997.—**T. cuspidata**, SIEB. & ZUCC. Mountains
of Japan.
Planted, 1896. Hardy.
- 2998.—**T. cuspidata compacta**.
Planted, 1896. Hardy.
T. hibernica, Hook. = *T. baccata fastigiata*.
T. imperialis, Hort. = *T. baccata imperialis*.
T. tardiva, Laws. = *T. baccata*, L.
THUIOPSIS. See CUPRESSUS.
THUYOPSIS. See THUYA.

THUYA—ARBOR VITAE.

- T. aurea*, Hort. = *T. orientalis aurea*.
T. caucasica, Hort. = *T. occidentalis ware-
ana*.
- 2999.—**T. dolobrata**, L. f. Mountains of Japan.
Syn., *Thuyopsis dolobrata*, Sieb. & Zucc.
Planted, 1895. Winter killed.
- 3000.—**T. dolobrata variegata**.
Planted, 1895. Half hardy.
- 3001.—**T. dolobrata viridissima**.
Planted, 1895. Tender.
- 3002.—**T. gigantea**, NUTT. Gigantic Arbor-
vitae. Western America.
Syns., *T. Lobbi*, Hort.; *T. plicata*, Don.
Planted, 1898. Half hardy on other parts
of the grounds.
- 3003.—**T. gigantea atrovirens**.
Syn., *T. Lobbi atrovirens*.
Planted, 1898. Half hardy in nursery
rows.
- 3004.—**T. gigantea fastigiata**.
Planted, 1899.
- 3005.—**T. gigantea gracilis**.
Planted, 1899.
- 3006.—**T. gigantea plicata**.
Syn., *T. plicata*, Don.
Planted, 1897. Hardy.
- 3007.—**T. japonica**, MAXIM. Japan.
Syn., *T. Standishii*, Carr.
Planted, 1897. Hardy.
- 3008.—**T. occidentalis**, L. White Cedar, Arbor-
vitae. Canada and North-Eastern
United States.
Planted, 1889. Hardy.

THUYA—ARBOR VITAE—Continued.

- 3009.—**T. occidentalis alba** Victoria.
Planted, 1894. Hardy.
- 3010.—**T. occidentalis argentea**. Silvered
Arbor-vitae.
Planted, 1889. Hardy.
- 3011.—**T. occidentalis aurea**. Golden Arbor-
vitae.
Planted, 1889. Hardy.
- 3012.—**T. occidentalis aureo-spicata**.
Planted, 1896. Hardy.
- 3013.—**T. occidentalis Bodmeri**.
Planted, 1899.
- 3014.—**T. occidentalis Boothii**. Booth's Arbor-
vitae.
Planted, 1890. Hardy.
- 3015.—**T. occidentalis Brinckerhoffi**. Brincker-
hoff's Arbor-vitae.
Planted, 1894. Hardy.
- 3016.—**T. occidentalis Buchononi**.
Planted, 1896. Hardy.
- 3017.—**T. occidentalis caesia**.
Planted, 1896. Hardy.
T. occidentalis caucasica = *T. occidentalis*
wareana.
- 3018.—**T. occidentalis Cloth of Gold**.
Planted, 1896. Hardy.
- 3019.—**T. occidentalis compacta**. Compact
Arbor-vitae.
Planted, 1890. Hardy.
- 3020.—**T. occidentalis compacta Parsoni**.
Planted, 1894. Hardy.
- 3021.—**T. occidentalis cristata**.
Planted, 1896. Hardy.
- 3022.—**T. occidentalis densa**. Dense Arbor-
vitae.
Planted, 1894. Hardy.
- 3023.—**T. occidentalis denudata**.
Planted, 1897. Half hardy.
- 3024.—**T. occidentalis Douglas' Golden**.
Planted, 1894. Hardy.
- 3025.—**T. occidentalis Douglasii pyramidalis**.
Planted, 1897. Hardy.
- 3026.—**T. occidentalis elwangeriana**. Elwan-
ger's Arbor-vitae.
Planted, 1890. Hardy.
- 3027.—**T. occidentalis elwangeriana aurea**.
Elwanger's Golden Arbor-vitae.
Planted, 1899.
- 3028.—**T. occidentalis filifolia**. Thread-like
Arbor-vitae.
Planted, 1894. Hardy.
- 3029.—**T. occidentalis Fröbelii**.
Planted, 1899.
- 3030.—**T. occidentalis globosa**. Globose Arbor-
vitae.
Planted, 1890. Hardy.
- 3031.—**T. occidentalis globularis**.
Planted, 1899.

THUYA—ARBOR VITAE—Continued.

- 3032.—**T. occidentalis Hoveii**. Hovey's Arbor-
vitae.
Planted, 1890. Hardy.
- 3033.—**T. occidentalis intermedia**.
Planted, 1894. Hardy.
- 3034.—**T. occidentalis leptoclada**.
Planted, 1894. Hardy.
- 3035.—**T. occidentalis Little Gem**.
Planted, 1889. Hardy.
- 3036.—**T. occidentalis lutea**. Yellow Arbor-
vitae.
Planted, 1894. Hardy.
- 3037.—**T. occidentalis maculata**.
Planted, 1894. Hardy.
- 3038.—**T. occidentalis Meehani**. Meehan's
Arbor-vitae.
Planted, 1894. Hardy.
- 3039.—**T. occidentalis nana**. Dwarf Arbor-vitae.
Planted, 1897. Hardy.
- 3040.—**T. occidentalis pendula**. Pendulous
Arbor-vitae.
Planted, 1899.
- 3041.—**T. occidentalis plicata**. Plicate Arbor-
vitae.
Planted, 1896. Hardy.
- 3042.—**T. occidentalis plumosa**. Plumose Arbor-
vitae.
Planted, 1899.
- 3043.—**T. occidentalis pumila**.
Planted, 1897. Hardy.
- 3044.—**T. occidentalis pulverulenta**.
Planted, 1899.
- 3045.—**T. occidentalis pyramidalis**. Pyramidal
Arbor-vitae.
Planted, 1890. Hardy.
- 3046.—**T. occidentalis recurva nana**.
Planted, 1896. Hardy.
- 3047.—**T. occidentalis recurvata**.
Planted, 1896. Hardy.
- 3048.—**T. occidentalis Riversi**. Rivers' Arbor-
vitae.
Planted, 1896. Hardy.
T. occidentalis sibirica = *T. occidentalis*
wareana.
- 3049.—**T. occidentalis Späthii**. Späth's Arbor-
vitae.
Planted, 1898.
- 3050.—**T. occidentalis spiralis**. Spiral Arbor-
vitae.
Planted, 1894. Hardy.
- 3051.—**T. occidentalis tatarica**.
Planted, 1897. Hardy.
- 3052.—**T. occidentalis Tom Thumb**.
Planted, 1890. Hardy.
- 3053.—**T. occidentalis umbraculifera**.
Planted, 1897. Hardy.
- 3054.—**T. occidentalis variegata Waxon**.
Planted, 1898.

THUYA—ARBOR VITAE—*Continued.*

- 3055.—**T. occidentalis vervaeneana.**
Planted, 1898. Hardy.
- 3056.—**T. occidentalis Wagneri.** Wagner's
Arbor-vitae.
Planted, 1896. Hardy.
- 3057.—**T. occidentalis wareana.** Ware's Arbor-
vitae.
Planted, 1889. Hardy.
- 3058.—**T. occidentalis wareana variegata.**
Planted, 1894. Hardy.
- 3059.—**T. orientalis, L.** Oriental Arbor-Vitae.
North China and Japan.
Syn., Biota orientalis, Endl.
Planted, 1895. Winter killed.
- 3060.—**T. orientalis argentea variegata.** Sil-
ver variegated Oriental Arbor-vitae.
Planted, 1895. Winter killed.
- 3061.—**T. orientalis aurea.** Golden Oriental
Arbor-vitae.
Syn., T. aurea, Hort.
Planted, 1895. Winter killed.
- 3062.—**T. orientalis aurea pyramidalis com-
pacta.**
Planted, 1899. Hardy.
- 3063.—**T. orientalis compacta.** Compact
Oriental Arbor-vitae.
Planted, 1895. Winter killed.
- 3064.—**T. orientalis conica.**
Planted, 1895. Winter killed.

THUYA—ARBOR VITAE—*Concluded.*

- 3065.—**T. orientalis decussata.**
Planted, 1899.
- 3066.—**T. orientalis elegantissima.**
Planted, 1894. Winter killed.
- 3067.—**T. orientalis pyramidalis.** Pyramidal
Oriental Arbor-vitae.
Syn., T. tatarica, Forbes.
Planted, 1895. Winter killed.
- 3068.—**T. orientalis semperaurescens.**
Planted, 1894. Winter killed.
T. pendula, Endl. = T. orientalis pendula.
T. plicata, Don. = T. gigantea plicata.
T. sibirica = T. occidentalis wareana.
T. Standishii = T. japonica, maxim.
*T. tatarica, Forbes = T. orientalis pyramid-
alis.*

TSUGA—HEMLOCK.

- 3069.—**T. canadensis.** Carr. Hemlock. North-
Eastern America.
Planted, 1893. Hardy.
- 3070.—**T. canadensis gracilis.** Graceful Hem-
lock.
Planted, 1897. Hardy.
- 3071.—**T. canadensis Sargentii pendula.** Sar-
gent's Pendulous Hemlock.
Planted, 1896. Hardy.
- Yew. See TAXUS.

NOTE.—The degree of hardiness of some species and varieties has been changed since the introductory matter was written, after another winter's experience. Of those tested, 1,434 have now been found hardy; 361, half hardy; 232, tender; 307, winter killed; and 737 have not been planted long enough to admit of an opinion being given as to their hardiness.

CENTRAL EXPERIMENTAL FARM, DEPARTMENT OF AGRICULTURE

CATALOGUE
OF
FRUIT TREES
UNDER TEST AT THE
EXPERIMENTAL FARM
AT
AGASSIZ, BRITISH COLUMBIA

BY
WM. SAUNDERS, LL.D., F.R.S.C., F.L.S.,
Director Experimental Farms,
AND
THOS. A. SHARPE, *Superintendent of the Experimental Farm at Agassiz.*

BULLETIN No. 3, SECOND SERIES, JUNE, 1900.

Bulletins of the Second Series treat of such subjects as are of interest to a limited class of readers and will be mailed only to those to whom the information is likely to be useful. Copies may, however, be obtained by any one desiring them, as long as the edition lasts, by application to the Director of Experimental Farms.

[Published by Direction of the Hon. Sydney A. Fisher, Minister of Agriculture]

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1900

To the Honourable
The Minister of Agriculture.

SIR,—I have the honour to submit for your approval a catalogue of the fruit trees under trial at the branch experimental farm at Agassiz, B.C., prepared jointly by Mr. Thos. A. Sharpe, Superintendent of the Agassiz farm and myself.

In this list the varieties are arranged alphabetically for convenience of reference. It is hoped that the information presented in this catalogue will be helpful to fruit growers, not only in British Columbia, but in all the fruit growing districts in Canada. It will also assist in giving to those interested in this subject both in Canada and abroad, some idea of the great work which has been done during the past ten years in bringing together so large and valuable a collection, thus laying the foundation for an accurate and extensive acquaintance with the large fruits of temperate climates throughout the world. The opportunity will thus be also afforded of testing the relative vigour of growth and productiveness of the trees, also the quality of the fruit as grown in the coast climate of British Columbia.

I have the honour to be

Your obedient servant,

WM. SAUNDERS,
Director Experimental Farms.

OTTAWA, June 15, 1900.

CATALOGUE
OF
FRUIT TREES
UNDER TEST AT THE
EXPERIMENTAL FARM

AT
AGASSIZ, B. C.

By WM. SAUNDERS, LL.D., DIRECTOR OF EXPERIMENTAL FARMS.
And THOS. A. SHARPE, SUPERINTENDENT OF THE EXPERIMENTAL
FARM AT AGASSIZ, B. C.

The site for the experimental farm for British Columbia was chosen at Agassiz in 1888 and possession was had on September 19, 1889. Agassiz is located about 70 miles east of Vancouver and in a very central position in the valley of the Fraser in the coast climate. The land consists of about 325 acres of valley land fronting on the main line of the Canadian Pacific Railway and adjoining the station at Agassiz, with about 800 acres of broken mountain land in the rear. Prior to purchase about 35 acres of the valley land had been partly cleared and was more or less under cultivation, including 3 acres of young orchard.

About 30 acres of the land which had been partly under cultivation was thoroughly worked up in the autumn of 1889 and prepared for planting in the spring of 1900. Additional land has been cleared from year to year and through the energetic action of the superintendent the clearing has been made to keep pace not only with the necessities for orchard planting, but also with the requirements for experimental work with farm crops and the raising of supplies for farm animals. The cleared land in the valley at the present time is about 160 acres of which from 60 to 65 acres are occupied by fruit trees. There are also over 1,000 fruit trees planted in clearings up the sides of the mountain at elevations ranging from 150 to 1,100 feet in height.

The work of selecting the varieties and securing the trees has devolved mainly on the Director, while the planting and care, and the notes on their growth and productiveness, with the descriptions of the fruits, are entirely the work of the Superintendent.

A bright future lies before British Columbia as a fruit growing province, and the large collection of varieties now growing at the experimental farm, will provide the means for securing an amount of accurate information as to the relative quality and productiveness of varieties which will be of untold value to the future fruit growers of this province. Already among the new sorts of foreign introduction which have fruited several have been found of superior character with good shipping qualities and highly productive. These promise to be of great value to the country.

At the end of the catalogue a select list of each sort of fruit is given, prepared by Mr. Sharpe, comprising the best of those which have thus far fruited. Such lists, however, can only serve a present purpose and will no doubt be greatly modified as other varieties reach a bearing age.

For convenience of reference in the list of apples, all the different varieties of Russets have been grouped together and the same has been done with the Calvilles and Reinettes.

The collection of large fruits here enumerated embraces the following named sorts : Apples, 1,217 ; Crab-apples, 36 ; Pears, 555 ; Plums, 311 ; Cherries, 154 ; Peaches, 213 ; Apricots, 50 ; Nectarines, 25 ; Quinces, 8 ; Medlars, 7 ; and Mulberries 6, making a total of 2,582 varieties. In so large a collection there will, no doubt, be many errors in naming, instances will also occur where the same variety exists under different names. The authors will esteem it a great favour should any apparent inaccuracies of any sort be detected if the party observing them would kindly report them so that such errors may be rectified.

CATALOGUE

OF

APPLE TREES

- 1.—**Adam Pearmain.** Planted Spring 1899. Tree a strong grower.
- 2.—**Aiken.** Planted Spring 1896. Tree a strong grower.
- 3.—**Alant.** Planted Spring 1898. Tree a vigorous grower.
- 4.—**Alaska.** Planted Spring 1899. Tree a strong grower.
- 5.—**Alexander.** Planted Spring 1890. Tree a strong and spreading grower; productive. Fruit very large, regularly formed, conical. Skin greenish yellow, with bright red over nearly the whole surface. Flesh white, crisp, tender and juicy, mildly acid, and of pleasant flavour. Season, September and October.
- 6.—**Alexis Baldwin.** In nursery.
- 7.—**Alfriston.** In nursery.
- 8.—**Alice.** Planted Spring 1899. Tree a strong grower.
- 9.—**Allen's Choice.** In nursery.
- 10.—**Allen's Everlasting.** In nursery.
- 11.—**Allington Pippin.** In nursery.
- 12.—**Almond Reinette.** In nursery.
- 13.—**Amassia.** In nursery.
- 14.—**Amelie.** In nursery.
- 15.—**American Beauty.** Planted Spring 1899. Tree a strong grower.
- 16.—**American Blush.** In nursery.
- 17.—**American Pippin.** Planted Spring 1890. Tree a strong grower and productive. Fruit of medium size, regular form, oblate. Skin dull green, with a bronze reddish cheek. Flesh white, firm, juicy, mildly acid and of pleasant flavour. Season, late Autumn.
- 18.—**American Summer Pearmain.** Planted Spring 1894. Tree a moderate grower. Fruit of medium size, slightly conical. Skin yellow, streaked and spotted with red. Flesh yellow, tender, of high flavour. Season, August.
- 19.—**Andrew's Sweet.** In nursery.
- 20.—**Anis (32 m).** Planted Spring 1890. Tree a medium grower. Fruit of medium size, oblate, conical, skin yellow with reddish streaks on sunny side. Flesh white, not juicy, mildly acid, quality poor. Season, last of July.
- 21.—**Anis Rose.** In nursery.
- 22.—**Anisette.** In nursery.
- 23.—**Anisovka.** Planted Spring 1895. Tree a strong upright grower, and a free producer. Fruit above medium size, roundish, globular. Skin greenish golden, streaked and splashed with red. Flesh white, juicy, crisp, sprightly, acid, quality good. Season, September and October.
- 24.—**Annie Elizabeth.** In nursery.
- 25.—**Antonovka (BUDD).** Planted Spring 1895. A vigorous upright grower, productive. Fruit above medium size, oblong. Skin yellowish white, with a little russet, and a pale blush. Flesh white, somewhat coarse, crisp, juicy, pleasant, acid, quality good. Season, October and November.
- 26.—**Api Noir.** In nursery.
- 27.—**Api Rose.** In nursery.
- 28.—**Aport Grell.** Planted Spring 1893. Tree a vigorous grower. Fruit large roundish conical. Skin greenish yellow, with considerable bright red in the sun. Flesh white, crisp, tender, moderately juicy, pleasant. Season, October and November.
- 29.—**Aport (252).** Planted Spring 1895. Tree a strong grower, and moderately productive. Fruit large to very large, oblate conical. Skin whitish yellow. Flesh white, coarse, crisp, juicy, mildly acid. Season, early September.
- 30.—**Aport (23).** Planted Spring 1895. Tree a strong grower. Fruit very large, conical. Skin greenish yellow, nearly covered with streaks and splashes of bright red. Flesh yellowish white, crisp, tender, juicy, pleasantly acid, quality good. Season, late Autumn.
- 31.—**Apple of Commerce.** In nursery.

- 32.—**Arabka** (257). Planted Spring 1895. Tree a vigorous grower, and productive. Fruit large, conical. Skin greenish yellow, with a purple cheek. Flesh white, crisp, tender, mildly acid, quality good. Season, late Autumn.
- 33.—**Arabka** (BUDD & GIBB). Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, oblong, slightly conical. Skin green, nearly covered with dull red. Flesh white, crisp, juicy, sweet, and of pleasant flavour, quality good. Season, August.
- 34.—**Arabka Summer**. Planted Spring 1899. Tree a strong grower.
- 35.—**Arabka Winter**. Planted Spring 1895. Tree a vigorous grower, and moderately productive. Fruit large to very large, oblong, conical. Skin green, nearly covered with dark purple, with a whitish bloom. Flesh crisp, white, juicy, sub-acid. One of the best of its season for cooking. Season, December.
- 36.—**Arabakoe**. Planted Spring 1894. Tree a vigorous upright grower, and productive. Fruit large to very large, conical, ribbed. Skin green, with a dark purple cheek, a whitish bloom, and many small dots. Flesh white, coarse, juicy, mildly acid. Season, October and November.
- 37.—**Archduchess Sophia**. In nursery.
- 38.—**Archduke Louis**. In nursery.
- 39.—**Arctic**. Planted Spring 1899. Tree a strong grower.
- 40.—**Arkad Grell**. Planted Spring 1894. Tree a vigorous grower.
- 41.—**Arkad Solovieff**. Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, conical. Skin golden yellow. Flesh yellowish white, coarse, granular, juicy, nearly sweet. Season, early August.
- 42.—**Arkansas Beauty**. Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, globular. Skin green, with a dull red cheek, and sprinkled with whitish dots. Flesh whitish, crisp, mildly acid. Season, late Autumn.
- 43.—**Arkansas Black**. Planted Spring 1894. Tree a moderate grower.
- 44.—**Armored**. In nursery.
- 45.—**Arnold's Beauty**. Planted Spring 1899. Tree a strong grower.
- 46.—**Arthur**. In nursery.
- 47.—**Ashmead's Kernel**. Planted Spring 1894. Tree a moderate grower.
- 48.—**Atkinson**. In nursery.
- 49.—**Atlanta**. In nursery.
- 50.—**August**. In nursery.
- 51.—**Aunt Ginnie**. Planted Spring 1897. Tree a vigorous grower. Fruited 1899.
- 52.—**Aushaulder**. Planted Spring 1898. Tree a vigorous grower.
- 53.—**Australian Aphid Proof**. Planted Spring 1897. Tree a vigorous grower.
- 54.—**Autumn Bough**. Planted Spring 1899. Tree a strong grower.
- 55.—**Autumn Short Stem**. Planted Spring 1897. Tree a medium grower.
- 56.—**Autumn Strawberry**. Planted Spring 1893. Tree a moderate grower. Fruit of medium size, globular. Skin green, striped and splashed with pale red, with a whitish bloom. Flesh yellowish white, crisp, tender, juicy, pleasant, sub-acid, quality good. Season, last of September.
- 57.—**Avenarius** (No. 15). Planted Spring 1893. Tree a vigorous grower. Fruit of medium size, nearly round. Skin yellowish green, nearly covered with streaks of light red. Flesh white, crisp, very juicy and pleasant, quality good. Season, August.
- 58.—**Avista**. Planted Spring 1898. Tree a vigorous grower.
- 59.—**Azeroly Anise**. In nursery.
- 60.—**Babbit**. Planted Spring 1896. Tree a vigorous grower.
- 61.—**Bailey's Sweet**. Planted Spring 1890. Tree a moderate grower. Fruit of medium size, oblong, conical. Skin greenish yellow, nearly covered with dull red, and many small dots. Flesh white, tender, not juicy, very sweet, quality good. Season, early winter.
- 62.—**Baldwin**. Planted Spring 1890. Tree a vigorous grower and free producer. Fruit large, roundish oblong, nearly conical. Flesh yellowish white, crisp, juicy and pleasant, quality good. Season early winter.
- 63.—**Banana**. In nursery.
- 64.—**Baraboo**. Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, roundish, oblate. Skin yellowish white, with considerable russet and a reddish blush. Flesh white, crisp, very juicy, mildly acid. Apt to become water-cored. Season August.
- 65.—**Barbarie**. In nursery.
- 66.—**Barchard's Seedling**. In nursery.
- 67.—**Barloff**. Planted Spring 1896. Tree a strong grower.
- 68.—**Baron de Trauttenberg**. In nursery.
- 69.—**Barry**. Planted Spring 1898. Tree a strong grower.
- 70.—**Barton's Favorite**. Planted Spring 1898. Tree a strong grower.

- 71.—**Basil the Great.** Planted Spring 1895. Tree a strong grower, and an early bearer. Fruit above medium size, round, tapering slightly towards the eye. Skin greenish yellow, streaked with light red. Flesh white, coarse, crisp, juicy and pleasant, quality good. Season last of August.
- Bauman's German.** Planted Spring 1899. Tree a strong grower.
- Bauman's Red Winter.** In nursery.
- Baxter.** Planted Spring 1892. Tree a strong grower. Fruit large, oblong, tapering to eye. Skin green, nearly covered with dark red. Flesh yellowish, crisp, moderately juicy and pleasant, sub-acid, quality good. Season November.
- Bayard.** In nursery.
- Bayard Williams Long Beach.** In nursery.
- Beaunoz.** In nursery.
- Beautiful Arkad.** Planted Spring 1895. Tree a vigorous grower.
- Beauty of Bath.** Planted Spring 1896. Tree a moderate grower.
- Beauty of Kent.** Planted Spring 1895. Tree a vigorous grower.
- 81.—**Beauty of Nordhausen.** In nursery.
- 82.—**Beauty of Pontoise.** Planted Spring 1896. Tree a moderate grower.
- 83.—**Bedford.** Planted Spring 1899. Tree a strong grower.
- 84.—**Bedfordshire Foundling.** In nursery.
- 85.—**Beeche's sweet.** Planted Spring 1898. Tree a vigorous grower.
- 86.—**Belle d'Angers.** In nursery.
- 87.—**Belle de Boskoop.** Planted Spring 1890. Tree a vigorous and spreading grower, and very productive in alternate years. Fruit above medium size. Skin greenish yellow, somewhat russeted, and a blush on sunny side. Flesh yellowish, firm, crisp, juicy, aromatic, quality very good. Season mid-winter.
- 88.—**Belle des Buits.** In nursery.
- 89.—**Belle Dubois.** In nursery.
- 90.—**Belle du Havre.** In nursery.
- 91.—**Belle et Bonne de Huy.** In nursery.
- 92.—**Belmont.** Planted Spring 1895. Tree a vigorous grower.
- 93.—**Belle Pippin.** Planted Spring 1895. Tree a vigorous grower.
- 94.—**Ben Davis.** Planted Spring 1890. Tree a vigorous grower, and an early and constant bearer. Fruit large, roundish, conical, colour green, nearly covered with light and dark red. Flesh white, moderately juicy, mildly sub-acid, quality poor. Season late winter.
- 95.—**Benoni.** Planted Spring 1894. Tree a vigorous grower. Fruit small to medium, roundish, conical. Skin yellow, striped and spotted with red and sprinkled with dots. Flesh yellow, tender, juicy, sub-acid. Season August.
- 96.—**Benton County Beauty.** Planted Spring 1898. Tree a vigorous grower.
- 97.—**Bess Pool.** Planted Spring 1899. Tree a strong grower.
- 98.—**Bessie.** In nursery.
- 99.—**Bethel.** In nursery.
- 100.—**Betty Geeson.** In nursery.
- 101.—**Bielni Naliv.** Planted Spring 1894. Tree a vigorous grower.
- 102.—**Big Romanite.** Planted Spring 1893. Tree a vigorous grower. Fruit above medium size, roundish. Skin greenish yellow, nearly covered with deep red. Flesh yellow, crisp, juicy, nearly sweet, quality good. Season January and February.
- 103.—**Bijou (Rivers).** In nursery.
- 104.—**Bismarck.** Planted Spring 1894. Tree a vigorous grower and an early and free bearer. Fruit above medium size, round, somewhat conical. Skin green, nearly covered with bright red. Flesh white, juicy, crisp, mildly acid, quality only medium. Season December and January.
- 105.—**Black Annette.** Planted Spring 1896. Tree a vigorous grower.
- 106.—**Black Apple of New Jersey.** Planted Spring 1897. Tree a vigorous grower.
- 107.—**Black Ben Davis.** In nursery.
- 108.—**Black Coal.** Planted Spring 1899. Tree a strong grower.
- 109.—**Black Oxford.** Planted Spring 1896. Tree a vigorous grower.
- 110.—**Black Twig.** Planted Spring 1899. Tree a strong grower.
- 111.—**Blackwood.** In nursery.
- 112.—**Blanschwanz.** Planted Spring 1896. Tree a vigorous grower.
- 113.—**Bledsoe.** Planted Spring 1895. Tree a weak grower.
- 114.—**Blenheim Orange.** Planted Spring 1890. Tree a vigorous and spreading grower, and only a moderate bearer. Fruit large, roundish, conical. Skin greenish yellow, with a dull red cheek. Flesh yellowish, crisp, breaking, moderately juicy, very pleasant and of high flavour, quality very good. Season October and November.
- 115.—**Bloomless.** Planted Spring 1896. Tree a vigorous grower.

- 116.—**Blue Pearmain.** Planted Spring 1890.
Tree a vigorous grower. Fruit large, roundish, slightly conical. Skin green, nearly covered with purple and a whitish bloom. Flesh yellowish, mildly sub-acid, slightly aromatic, quality good. Season mid-winter.
- 117.—**Blue Pearmain of Nevada.** Planted Spring 1898. Tree a medium grower.
- 118.—**Blushed Calville.** Planted Spring 1895.
Tree a vigorous grower, and an early bearer. Fruit above medium size, roundish, slightly conical. Skin golden yellow. Flesh white, juicy, tender, mildly acid and pleasant, quality good. Season August.
- 119.—**Bode.** In nursery.
- 120.—**Bogdanoff.** Planted Spring 1894. Tree a vigorous grower. Fruit large, roundish, flat. Skin greenish yellow, with a bright red blush on sunny side. Flesh yellowish white, crisp, quality good. Season, Autumn.
- 121.—**Bohemian Favourite.** Planted Spring 1896. Tree a medium grower.
- 122.—**Bohn.** Planted Spring 1896. Tree a medium grower.
- 123.—**Boike.** In nursery.
- 124.—**Boiken.** Planted Spring 1896. Tree a vigorous grower.
- 125.—**Bombshell.** Planted Spring 1890. Tree a vigorous and spreading grower, and an early bearer. Fruit of medium size, conical. Skin greenish yellow, with a little russet and a pale blush. Flesh white, crisp, juicy, and of pleasant flavour, quality good. Season early winter.
- 126.—**Bonne de Mai.** In nursery.
- 127.—**Borodovka** (NIEMETZ). Planted Spring 1895. Tree a vigorous grower.
- 128.—**Borovinka Koslov.** Planted Spring 1894. Tree a vigorous grower.
- 129.—**Borovinka Solovieff.** Planted Spring 1894. Tree a vigorous grower. Fruit above medium size, roundish. Skin greenish yellow, striped with bright red. Flesh white, crisp, firm, juicy, sprightly, quality good. Season August.
- 130.—**Borovitsky.** In nursery.
- 131.—**Borsdorf.** Planted Spring 1894. Tree a vigorous grower. Fruit above medium size, oblong, conical. Skin yellow, with faint streaks of red. Flesh white, crisp, moderately juicy, sprightly, quality good. Season September.
- 132.—**Borsdorf** (No. 19). Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, conical. Skin yellowish white. Flesh white, juicy, crisp, mildly acid. Generally water-cored before maturity, quality poor. Season August.
- 133.—**Borsdorf Ognon.** In nursery.
- 134.—**Bostic Queen.** Planted Spring 1896. Tree a vigorous grower. Fruit large, flatish, conical. Skin green with a faint reddish blush. Flesh white, crisp, juicy, sub-acid, quality good. Season Autumn.
- 135.—**Bottle Greening.** Planted Spring 1890. Tree a vigorous and spreading grower. Fruit of medium size, oblate, somewhat conical. Skin greenish yellow, with a little dull red. Flesh white, crisp, sub-acid, quality good. Season early Winter
- 136.—**Bottle Stopper.** In nursery.
- 137.—**Bow Hill Pippin.** In nursery.
- 138.—**Boy's Delight.** In nursery.
- 139.—**Brabant Bellflower.** In nursery.
- 140.—**Braddick's Nonpareil.** In nursery.
- 141.—**Bradford Beauty.** In nursery.
- 142.—**Bradford's Best.** Planted Spring 1895. Tree a moderate grower. Fruit small, oblate. Skin green, with a reddish brown cheek, very badly marked with black scab and cracked. Flesh white, not juicy, mildly sub-acid, quality poor. Season Winter.
- 143.—**Brakefield Seedling.** Planted Spring 1897. Tree a vigorous grower.
- 144.—**Bramley's Seedling.** In nursery.
- 145.—**Bramtot.** In nursery.
- 146.—**Breskovka.** In nursery.
- 147.—**Brierly Wood.** Planted Spring 1899. Tree a strong grower.
- 148.—**Bright Water.** Planted Spring 1896. Tree a vigorous grower.
- 149.—**British Columbia.** Planted Spring 1893. Tree a vigorous grower. Identical with Canada Reinette.
- 150.—**Broad Cheek.** In nursery.
- 151.—**Broad Green.** In nursery.
- 152.—**Broadleaf Hereford.** Planted Spring 1899. Tree a strong grower.
- 153.—**Brockville Beauty.** In nursery.
- 154.—**Brouillard.** In nursery.
- 155.—**Brownell's Fancy.** In nursery.
- 156.—**Buckingham.** Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblate, conical. Skin greenish yellow, mostly covered with light and dark red and sprinkled with brown dots. Flesh yellowish, coarse, breaking, juicy, mildly sub-acid, quality very good. Season November and December.
- 157.—**Buda.** In nursery.
- 158.—**Buncombe.** Planted Spring 1896. Tree a vigorous grower.
- 159.—**Burlington.** In nursery.
- 160.—**Byford Wonder.** In nursery.

- 161.—**Cabashea**. Planted Spring 1890. Tree a strong and spreading grower, but a poor bearer. Fruit very large, roundish oblate, conical. Skin greenish yellow, shaded with dull red. Flesh white, coarse, crisp, mildly acid, quality medium. Season Winter.
- 162.—**Cadeau du Général**. Planted Spring 1895. Tree a strong grower. Fruit large, roundish, conical. Skin dull yellow, splashed with red and having a few gray dots. Flesh white, tender, juicy, mildly acid. Season January to March.
- 163.—**Calumet**. In nursery.
- 164.—**Calville Berlin**. Planted Spring 1898. Tree a vigorous grower.
- 165.—**Calville Blanc**. Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblong, ribbed. Skin greenish white. Flesh white, coarse, tender, pleasant, quality good. Season January and February.
- 166.—**Calville Boisbunel**. In nursery.
- 167.—**Calville Boskoop**. Planted Spring 1896. Tree a vigorous grower.
- 168.—**Calville Deak's Winter**. Planted Spring 1896. Tree a strong grower.
- 169.—**Calville de Femmes**. In nursery.
- 170.—**Calville de Maussion**. In nursery.
- 171.—**Calville English White**. Planted Spring 1898. Tree a vigorous grower.
- 172.—**Calville English Winter**. Planted Spring 1898. Tree a vigorous grower.
- 173.—**Calville Garibaldi**. In nursery.
- 174.—**Calville Lesans**. In nursery.
- 175.—**Calville Lemon**. In nursery.
- 176.—**Calville Oberslebener**. Planted Spring 1898. Tree a strong grower.
- 177.—**Calville Red Autumn**. Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblong, conical, ribbed. Colour greenish yellow, with red in the sun. Flesh white with reddish stains, juicy, sprightly, aromatic, quality good. Season October.
- 178.—**Calville Red Harvest**. Planted Spring 1898. Tree a medium grower.
- 179.—**Calville Red Summer**. Planted Spring 1898. Tree a strong grower.
- 180.—**Calville Red Winter**. Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, conical, ribbed. Skin green, with a red cheek. Flesh white, juicy, mildly sub-acid, quality good. Season early Winter.
- 181.—**Calville Rose**. In nursery.
- 182.—**Calville Rouge Précoce**. In nursery.
- 183.—**Calville Rouge Royal**. Planted Spring 1895. Tree a vigorous grower.
- 184.—**Calville St. Sauveur**. Planted Spring 1895. Tree a vigorous grower. Fruit large, oblong, conical, ribbed. Skin green, mottled with spots of darker green, and sprinkled with whitish dots. Flesh white, tender, juicy, pleasantly aromatic, quality good. Season November.
- 185.—**Calville Yellow**. In nursery.
- 186.—**Canada Baldwin**. Planted Spring 1890. Tree a vigorous and upright grower, not a free bearer. Fruit of medium size, oblate. Skin yellowish, freely sprinkled with red. Flesh white, tender, juicy, mildly acid, with a pleasant flavour, quality very good. Season December.
- 187.—**Canada Red**. Planted Spring 1890. Tree a vigorous and spreading grower. Fruit of medium size, conical. Skin green, nearly covered with dark red. Flesh whitish, firm, crisp, nearly sweet, quality very good. Season Winter.
- 188.—**Cantil Sinap**. Planted Spring 1896. Tree a vigorous grower and early bearer. Fruit long, slender, tapering to eye. Colour greenish yellow, slightly russeted, and having a reddish blush. Flesh white, crisp, juicy and pleasant, quality good. Season Winter.
- 189.—**Cardinal**. In nursery.
- 190.—**Carolina Red June**. Planted Spring 1890. Tree a vigorous and upright grower, and a free producer. Fruit below medium size, somewhat conical, largest in the middle. Skin almost wholly covered with red, darker on the sunny side, with a thin bloom. Flesh white, brisk, tender, juicy, pleasant, quality very good. Season July.
- 191.—**Carolina Watson**. In nursery.
- 192.—**Caroline Augusta**. In nursery.
- 193.—**Carter's Blue**. Planted Spring 1895. Tree a slow grower.
- 194.—**Castle Major**. In nursery.
- 195.—**Carthouse**. Planted Spring 1893. Tree a vigorous grower. Fruit large, conical. Skin pale yellow, splashed and streaked with two shades of red. Flesh white, crisp, juicy, pleasant, sub-acid, quality good. Season February and March.
- 196.—**Cathead**. In nursery.
- 197.—**Celestia**. Planted Spring 1899. Tree a medium grower.
- 198.—**Cellini**. Planted Spring 1898. Tree a moderate grower.
- 199.—**Charlemoff**. Planted Spring 1895. Tree a moderate grower.
- 200.—**Charlottenthaler**. Planted Spring 1896. Tree a vigorous grower.
- 201.—**Chatley's Kernel**. In nursery.
- 202.—**Chelibi** (NIEMETZ). Planted Spring 1899. Tree a strong grower.

- 203.—**Chelmsford Wonder.** Planted Spring 1898. Tree a vigorous grower.
- 204.—**Chenango Strawberry.** Planted Spring 1890. Tree a vigorous grower and a good bearer. Fruit of medium size, oblong, conical, slightly ribbed. Skin white, shaded and splashed with dark crimson over most of the surface. Flesh white, tender, juicy, spicy, quality good. Season August.
- 205.—**Cherry Pearmain.** In nursery.
- 206.—**Cheshunt Pippin.** In nursery.
- 207.—**Chippin.** In nursery.
- 208.—**Christmas.** Planted Spring 1899. Tree a medium grower.
- 209.—**Christmas Pearmain.** In nursery.
- 210.—**C. H. R. Starr.** In nursery.
- 211.—**Cinnamon.** Planted Spring 1895. Tree a vigorous grower and an early and free producer. Fruit large medium, oblate. Skin yellowish white, crisp, tender, mildly sub-acid, with a pleasant flavour, quality good. Season last of August.
- 212.—**Cinnamon Pine.** Planted Spring 1895. Tree a vigorous grower and a free bearer. Fruit of medium size, flatish, conical, somewhat ribbed. Skin clear yellow. Flesh yellowish white, crisp, tender, juicy, of very fine flavour, nearly sweet, quality good. Season September and October.
- 213.—**Clarke's Pearmain.** In nursery.
- 214.—**Claygate Pearmain.** In nursery.
- 215.—**Clayton.** Planted Spring 1893. Tree a moderate grower.
- 216.—**Claudius.** Planted Spring 1896. Tree a vigorous grower.
- 217.—**Clyman Pippin.** Planted Spring 1896. Tree a vigorous grower.
- 218.—**Cobham.** In nursery.
- 219.—**Cockle Pippin.** Planted Spring 1894. Tree a strong grower and productive. Fruit of medium size, roundish conical. Skin greenish, with a brownish russet, nearly over the whole surface. Flesh yellow, firm, juicy, crisp, aromatic, quality good. Season January and February.
- 220.—**Coffelt Beauty.** Planted Spring 1900. Tree a medium grower.
- 221.—**Colander.** In nursery.
- 222.—**Coles Quince.** In nursery.
- 223.—**Colfax.** Planted Spring 1898. Tree a vigorous grower.
- 224.—**Col. Vaughn.** In nursery.
- 225.—**Colvert.** Planted Spring 1890. Tree a vigorous and spreading grower and free producer. Fruit large, oblate, somewhat conical. Skin greenish yellow, with a little dull red in the sun. Flesh yellow, ne grained, juicy, nearly sweet, with a pleasant flavour, quality good. Season October and November.
- 226.—**Colton.** Planted Spring 1896. Tree a vigorous grower.
- 227.—**Cook's Seedling.** In nursery.
- 228.—**Cooper's Early White.** In nursery.
- 229.—**Cooper's Market.** Planted Spring 1890. Tree a vigorous grower and productive. Fruit of medium size, conical. Skin yellowish, shaded with light and dark red. Flesh white, juicy, crisp, brisk sub-acid, quality good. Season January and February.
- 230.—**Cooper's Seedling.** Planted Spring 1898. Tree a vigorous grower.
- 231.—**Coos River Beauty.** Planted Spring 1898. Tree a vigorous grower.
- 232.—**Cornish Aromatic.** In nursery.
- 233.—**Cornish Gilliflower.** Planted Spring 1898. Tree a vigorous grower.
- 234.—**Cornell's Fancy.** In nursery.
- 235.—**Costard Greening.** In nursery.
- 236.—**Costard Scarlet.** In nursery.
- 237.—**Cossenza.** Planted Spring 1896. Tree a medium grower.
- 238.—**Couchine.** In nursery.
- 239.—**Counsellor Niemetz.** Planted Spring 1896. Tree a vigorous grower.
- 240.—**Court of Wick.** In nursery.
- 241.—**Court Pendu Plat.** Planted Spring 1896. Tree a moderate grower.
- 242.—**Court Pendu Royal.** Planted Spring 1898. Tree a vigorous grower.
- 243.—**Cousinot Purple Red.** Planted Spring 1896. Tree a vigorous grower.
- 244.—**Cove.** Planted Spring 1896. Tree a vigorous grower.
- 245.—**Cowarne Greening.** In nursery.
- 246.—**Cowarne Queening.** In nursery.
- 247.—**Cowarne Red.** In nursery.
- 248.—**Cox's Orange Pippin.** Planted Spring 1894. Tree a moderate grower and a free producer. Fruit below medium in size, oblate conical. Skin yellowish, shaded and splashed with crimson. Flesh yellowish, crisp, juicy, brisk, rich, sub-acid, aromatic, quality very good. Season October.
- 249.—**Cox's Pomona.** Planted Spring 1896. Tree a vigorous grower. Fruit above medium size, oblate conical. Skin russet green, with a faint shade of red. Flesh white, crisp, juicy, brisk sub-acid, quality good. Season October.

- 250.—**Cranberry Winter.** Planted Spring 1897. Tree a vigorous grower.
- 251.—**Crawford Pippin.** Planted Spring 1896. Tree a vigorous grower. Fruit above medium in size, globular. Skin yellow, with a few red splashes on sunny side. Flesh white, crisp, juicy, nearly sweet, with a pleasant flavour. Season December and January.
- 252.—**Crème de Samogitie.** Planted Spring 1899. Tree a strong grower.
- 253.—**Crimson Costard.** In nursery.
- 254.—**Crimson Queening.** In nursery.
- 255.—**Crown Prince Rudolph of Austria.** Planted Spring 1898. Tree a vigorous grower.
- 256.—**Cullens Keeper.** In nursery.
- 257.—**Cusset.** In nursery.
- 258.—**Dantzic Kant.** Planted Spring 1898. Tree a moderate grower.
- 259.—**Danver's Winter Sweet.** Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblong, conical. Skin smooth, greenish yellow, with a dull blush. Flesh yellow, firm, rich, sweet, quality very good. Season midwinter.
- 260.—**D'Arcy's Spice.** In nursery.
- 261.—**D'Ile.** In nursery.
- 262.—**Davis' Seedling.** In nursery.
- 263.—**Day.** Planted Spring 1894. Tree a vigorous grower. Fruit large, round conical. Skin greenish yellow, with streaks and splashes of bright red, and many small white dots. Flesh yellowish, crisp, juicy, sub-acid, quality good. Season late Autumn.
- 264.—**Dean's Cooking.** Planted Spring 1896. Tree a vigorous grower.
- 265.—**De Chataignier.** Planted Spring 1895. Tree a vigorous grower. Fruit small, roundish conical. Skin green, with many small dots. Flesh yellowish, firm, moderately juicy, with a pleasant flavour, sub-acid, quality good. Season Winter.
- 266.—**De Beauvoys.** In nursery.
- 267.—**De Cantorbery.** In nursery.
- 268.—**De Citron.** In nursery.
- 269.—**De Geai.** In nursery.
- 270.—**De Hoffinger.** In nursery.
- 271.—**De Jaune.** In nursery.
- 272.—**De Lait.** In nursery.
- 273.—**De La Rouairie.** In nursery.
- 274.—**De Lestre.** In nursery.
- 275.—**De Moisson.** In nursery.
- 276.—**De Sermoise.** In nursery.
- 277.—**De Vendue Leveque.** In nursery.
- 278.—**De Vigne.** In nursery.
- 279.—**Dery's Baldwin.** Planted Spring 1899. Tree a strong grower.
- 280.—**Delaware Red.** Planted Spring 1898. Tree a medium grower.
- 281.—**Delaware Winter.** Planted Spring 1898. Tree a weak grower.
- 282.—**Delicious.** In nursery.
- 283.—**Devonshire Quarrenden.** Planted Spring 1893. Tree a vigorous grower. Fruit of medium size, roundish flattened. Skin nearly crimson, with many greenish dots. Flesh white, crisp, juicy, sub-acid, with a pleasant flavour, quality good. Season August.
- 284.—**Dickinson.** Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblong conical. Skin greenish yellow, with a blush on sunny side, and freely sprinkled with whitish dots. Flesh white, juicy, crisp, pleasantly sub-acid, quality good. Season early Winter.
- 285.—**Dr. Ipavic Bogatinkio.** Planted Spring 1898. Tree a vigorous grower.
- 286.—**Dr. Seelig's Orange.** Planted Spring 1898. Tree a vigorous grower.
- 287.—**Dr. Walker.** Planted Spring 1899. Tree a strong grower.
- 288.—**Domino.** In nursery.
- 289.—**Dorée de Tournay.** In nursery.
- 290.—**Double Bon Pommier.** In nursery.
- 291.—**Douciné.** In nursery.
- 292.—**Doux d'Argent.** Planted Spring 1895. Tree a moderate grower. Fruit of medium size, roundish, flattened. Skin greenish yellow, sprinkled with whitish dots. Flesh firm, juicy, mildly sub-acid, with a pleasant flavour, quality good. Season Winter.
- 293.—**Dove.** Planted Spring 1896. Tree a vigorous grower.
- 294.—**Drap d'Or.** Planted Spring 1896. Tree a strong grower.
- 295.—**Druffken.** Planted Spring 1896. Tree a moderate grower.
- 296.—**Duchess' Favourite.** In nursery.
- 297.—**Duchess of Oldenburgh.** Planted Spring 1890. Tree a strong upright grower. Fruit of medium size, roundish. Skin smooth, yellow, washed and splashed with red. Flesh white, juicy, crisp, sprightly, quality good. Season August and September.
- 298.—**Duchovoe.** Planted Spring 1895. Tree a vigorous grower.
- 299.—**Du Halder.** In nursery.
- 300.—**Duke of Connaught.** Planted Spring 1899. Tree a strong grower.
- 301.—**Duke of Devonshire.** In nursery.
- 302.—**Duke of York.** In nursery.

- 303.—**Duncan.** Planted Spring 1898. Tree a vigorous grower.
- 304.—**Dutch Golden Pippin.** Planted Spring 1896. Tree a vigorous grower.
- 305.—**Dutch Mignonne.** Planted Spring 1894. Tree a moderate grower. Fruit of medium size, slightly conical. Skin rough, yellow, striped with two shades of red. Flesh tender, juicy, mildly acid. Season January and February.
- 306.—**Dvinnoe Solovieff.** Planted Spring 1895. Tree a vigorous grower.
- 307.—**Dwyer.** Planted Spring 1894. Tree a weak grower. Fruit of medium size, flatish conical. Skin greenish yellow, sometimes with a pale blush. Flesh juicy, sub-acid, with a pleasant flavour, quality good. Season Winter.
- 308.—**Earl's Seedling.** Planted Spring 1899. Tree a strong grower.
- 309.—**Early Almond.** Planted Spring 1898. Tree a vigorous grower.
- 310.—**Early Bogdanoff.** In nursery.
- 311.—**Early Golden Margaret.** Planted Spring 1898. Tree a vigorous grower.
- 312.—**Early Harvest.** Planted Spring 1890. Tree a vigorous and spreading grower. Fruit of medium size, roundish. Skin pale clear yellow, with a few white dots. Flesh white, tender, crisp, juicy, sprightly, quality good. Season August.
- 313.—**Early Joe.** Planted Spring 1896. Tree a medium grower.
- 314.—**Early Julian.** Planted Spring 1899. Tree a medium grower.
- 315.—**Early May.** Planted Spring 1896. Tree a moderate grower. Fruit small, nearly flat. Skin yellow with a faint blush. Flesh crisp, not juicy, inferior in quality. Season August.
- 316.—**Early Peach.** In nursery.
- 317.—**Early Pennock.** Planted Spring 1894. Tree a medium grower.
- 318.—**Early Prolific.** In nursery.
- 319.—**Early Ripe.** Planted Spring 1896. Tree a vigorous grower. Fruit above medium size, roundish, oblate, colour pale yellow, with a faint reddish blush and a few gray dots. Flesh white, tender, juicy, sub-acid, quality good. Season August.
- 320.—**Early Rivers.** In nursery.
- 321.—**Early Strawberry.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, round, flat. Skin yellow, with a reddish russet cheek, and red stripes over nearly the whole surface. Flesh white, with reddish tints next the skin, tender, sprightly, sub-acid, quality very good. Season early September.
- 322.—**Early Sweet.** Planted Spring 1895. Tree a medium grower.
- 323.—**Ecklinville Seedling.** Planted Spring 1898. Tree a medium grower.
- 324.—**Edeldorfer.** Planted Spring 1898. Tree a vigorous grower.
- 325.—**Edith.** In nursery.
- 326.—**Eggleston Styre.** In nursery.
- 327.—**Eiser.** Planted Spring 1896. Tree a medium grower.
- 328.—**Elisa Rathke.** In nursery.
- 329.—**Elkhorn.** Planted Spring 1896. Tree a vigorous grower.
- 330.—**Elliot's Early.** In nursery.
- 331.—**Empress.** In nursery.
- 332.—**Enormous.** Planted Spring 1896. Tree a strong grower.
- 333.—**Etoilee.** In nursery.
- 334.—**Evagil.** In nursery.
- 335.—**Evening Party.** Planted Spring 1898. Tree a strong grower.
- 336.—**Ewalt.** Planted Spring 1898. Tree a strong grower.
- 337.—**Excelsior.** Planted Spring 1896. Tree a vigorous grower. Fruit of medium size, roundish, oblong. Skin yellow with a bright red cheek. Flesh white, crisp, juicy, mildly sub-acid, quality good. Season August.
- 338.—**Extra Solovieff.** Planted Spring 1894. Tree a medium grower.
- 339.—**Fairmount.** Planted Spring 1892. Tree a vigorous grower. Fruit under medium size, roundish, tapering to eye. Skin greenish yellow with a red cheek. Flesh white, firm, moderately juicy, mildly sub-acid, quality good. Season October.
- 340.—**Fallwater.** Planted Spring 1890. Tree a strong grower. Fruit large, globular, somewhat conical. Skin greenish yellow, with a dull red cheek, and sprinkled with grayish dots. Flesh greenish white, juicy, crisp, pleasant, sub-acid, quality good. Season, early Winter.
- 341.—**Fall Jenetting.** Planted Spring 1890. Tree a strong grower, and a free bearer. Fruit medium to large, oblate conical, sometimes ribbed. Skin greenish yellow, with a dull blush. Flesh whitish, brisk, tender, juicy, sub-acid, quality good. Season October and November.
- 342.—**Fall Orange.** Planted Spring 1893. Tree a strong grower and a free bearer. Fruit above medium size, oblong, conical. Skin yellow. Flesh white, tender, juicy, sprightly, almost acid, but pleasant, quality good. Season September.

- 343.—**Fall Pippin.** Planted Spring 1894. Tree a strong grower. Fruit above medium size, roundish, flattened. Skin yellowish green with a reddish blush, and a few grayish dots. Flesh white, crisp, mellow, with a rich aromatic flavour, quality very good. Season October.
- 344.—**Fall Wine.** Planted Spring 1894. Tree a vigorous grower and free bearer. Fruit large, somewhat tapering to the eye. Skin greenish yellow with red splashes. Flesh yellowish, juicy, tender, mildly acid, aromatic, quality good. Season October.
- 345.—**Fall Winesap.** Planted Spring 1894. Tree a strong grower.
- 346.—**Fameuse.** Planted Spring 1890. Tree a vigorous grower. Fruit of medium size, roundish, a little flattened. Skin greenish yellow, nearly covered with two shades of red. Flesh white, juicy, tender, quality very good. Season October and November.
- 347.—**Family.** Planted Spring 1898. Tree a strong grower.
- 348.—**Family Favourite.** In nursery.
- 349.—**Farmer's Seedling.** In nursery.
- 350.—**Ferdinand.** In nursery.
- 351.—**Fearn's Pippin.** In nursery.
- 352.—**Fenouillet Gris.** In nursery.
- 353.—**Fenouillet Gros.** In nursery.
- 354.—**Figue.** In nursery.
- 355.—**Filippa.** Planted Spring 1898. Tree a strong grower.
- 356.—**Fink.** Planted Spring 1894. Tree a strong grower.
- 357.—**Flanders' Pippin.** In nursery.
- 358.—**Flat Voronesh.** Planted Spring 1895. Tree a strong grower and a free producer. Fruit above medium size, oblong. Skin smooth yellowish white, splashed with red. Flesh white, juicy, sprightly, sub-acid, quality good. Season September.
- 359.—**Fleiner du Roi.** In nursery.
- 360.—**Flintinge.** Planted Spring 1896. Tree a vigorous grower.
- 361.—**Flora Belle.** Planted Spring 1894. Tree a vigorous grower. Fruit above medium size, oblong, slightly conical. Skin a rich clear yellow, with small russet spots, and russet dots. Flesh white, tender, juicy, sub-acid, quality good. Season September and October.
- 362.—**Florence.** Planted Spring 1896. Tree a vigorous grower. Fruit small, oblate. Skin dull yellow, with a dull red blush. Flesh white, not juicy, sub-acid, quality poor. Season autumn.
- 363.—**Flushing Spitzenburg.** In nursery.
- 364.—**Forest.** Planted Spring 1896. Tree a moderate grower.
- 365.—**Forest** (No. 1). In nursery.
- 366.—**Forest** (No. 3). In nursery.
- 367.—**Forest** (No. 4). In nursery.
- 368.—**Forest** (No. 5). In nursery.
- 369.—**Forfar Pippin.** In nursery.
- 370.—**Foster's Seedling.** In nursery.
- 371.—**Fox Whelp.** In nursery.
- 372.—**Fraise de Hoffinger.** In nursery.
- 373.—**Francater.** In nursery.
- 374.—**Francois Joseph.** In nursery.
- 375.—**Franklin Sweet.** Planted Spring 1895. Tree a moderate grower.
- 376.—**Fraser** (No. 1). In nursery.
- 377.—**Fraser River Beauty.** Planted Spring 1893. Tree a medium grower. Fruit identical with striped Astrachan.
- 378.—**Friandise.** In nursery.
- 379.—**Frogmore Prolific.** Planted Spring 1896. Tree a vigorous grower.
- 380.—**Fulton.** In nursery.
- 381.—**Galloway Pippin.** In nursery.
- 382.—**Gano.** Planted Spring 1897. Tree a moderate grower.
- 383.—**Garfield.** Planted Spring 1893. Tree a strong grower.
- 384.—**Gascoigne's Scarlet Seedling.** In nursery.
- 385.—**German Skroute.** In nursery.
- 386.—**Ghent.** In nursery.
- 387.—**G. H. Wright.** In nursery.
- 388.—**Gideon.** Planted Spring 1895. Tree a strong grower, and an early and free bearer. Fruit above medium size, oblong, conical. Skin clear bright yellow, with a blush on the sunny side. Flesh white, crisp, juicy, pleasantly acid, fruit often water-cored soon after ripening. Season late Autumn.
- 389.—**Gideon's** (No. 9). In nursery.
- 390.—**Gideon's** (No. 10). In nursery.
- 391.—**Gideon's** (No. 20). Planted Spring 1896. Tree a vigorous grower. Fruit of medium size, oblong, conical. Skin greenish yellow. Flesh yellowish, crisp, juicy, sub-acid, with a pleasant flavour, quality good. Season late Autumn.
- 392.—**Gideon's** (No. 30). Planted Spring 1896. Tree a vigorous grower.
- 393.—**Gipsy Girl** (No. 1227). Planted Spring 1895. Tree a vigorous grower. Fruit large, oblong, conical. Skin green, nearly covered with red. Flesh white, juicy, sprightly, sub-acid, quality good. Season August.

- 394.—**Gill's Beauty.** Planted Spring 1896. Tree a vigorous grower.
- 395.—**Gloria Mundi.** Planted Spring 1896. Tree a strong grower.
- 396.—**Glowing Coal.** In nursery.
- 397.—**Golden Ball.** Planted Spring 1896. Tree a vigorous grower.
- 398.—**Golden Harvey.** Planted Spring 1894. Tree a strong grower. Fruit small, round, flattened at eye. Skin rough, russet on a greenish yellow ground with a russet red check. Flesh yellow, fine, spicy, rich, sub-acid, inclined to shrivel, quality good. Season January and February.
- 399.—**Golden Merienwerder.** Planted Spring 1898. Tree a strong grower.
- 400.—**Golden Noble.** Planted Spring 1898. Tree a strong grower.
- 401.—**Golden Nonpareil.** Planted Spring 1894. Tree a vigorous grower. Fruit small, roundish. Skin golden yellow, with a faint blush in the sun. Flesh yellowish, crisp, acid, quality good. Season November.
- 402.—**Golden Spire.** In nursery.
- 403.—**Golden Stone (NIEMETZ).** Planted Spring 1895. Tree a vigorous grower.
- 404.—**Golden Sweet.** Planted Spring 1890. Tree a vigorous grower and a regular bearer. Fruit above medium size, roundish. Skin smooth, pale yellow. Flesh yellowish, tender, sweet, with a rich flavour, quality good. Season August.
- 405.—**Golden Beauty.** Planted Spring 1896. Tree a vigorous grower.
- 406.—**Golden White.** Planted Spring 1895. Tree a vigorous grower.
- 407.—**Golden Winter.** Planted Spring 1896. Tree a moderate grower.
- 408.—**Gold Medal.** In nursery.
- 409.—**Gold Prince.** Planted Spring 1896. Tree a vigorous grower.
- 410.—**Gold Ridge Seedling.** In nursery.
- 411.—**Goode.** In nursery.
- 412.—**Good Peasant.** Planted Spring 1895. Tree a strong grower. Fruit small, oblong, conical. Skin green, nearly covered with red. Flesh white, juicy, sprightly, with a pleasant flavour, quality good. Season October and November.
- 413.—**Gooseberry.** In nursery.
- 414.—**Gospatrik.** In nursery.
- 415.—**Goute d'or de Coé.** In nursery.
- 416.—**Gracie.** Planted Spring 1896. Tree a vigorous grower. Fruit large, round, a little flattened. Skin green. Flesh white, not juicy, coarse, quality poor. Season August.
- 417.—**Grafant's Red.** In nursery.
- 418.—**Graham's Royal Jubilee.** Planted Spring 1896. Tree a vigorous grower. Fruit large, globular, inclining to conical. Skin yellowish green, with a dull reddish blush. Flesh white, crisp, juicy. Season Winter.
- 419.—**Graham.** In nursery.
- 420.—**Grainge's Pearmain.** In nursery.
- 421.—**Grande Breitache.** In nursery.
- 422.—**Grand Duke Michael.** In nursery.
- 423.—**Grandmother.** Planted Spring 1896. Tree a vigorous grower. Fruit above medium size, oblate, conical. Skin greenish white, splashed and streaked with light red. Flesh white and juicy, sweet, quality medium. Season August.
- 424.—**Grand Richard.** In nursery.
- 425.—**Grand Sultan.** Planted Spring 1898. Tree a strong grower.
- 426.—**Gravenstein (S. & W.)** Planted Spring 1890. Tree a vigorous grower. Fruit above medium size, a little flattened. Skin clear yellow, streaked and splashed with orange and red. Flesh tender, crisp, juicy and of high flavour, quality very good, very subject to black spot. Season September and October.
- 427.—**Gravenstein (SPATH).** Planted Spring 1896. Tree a strong grower.
- 428.—**Gravenstein Gundestrups.** Planted Spring 1896. Tree a strong grower.
- 429.—**Gravenstein of Gravenstein.** Planted Spring 1896. Tree a vigorous grower.
- 430.—**Gravenstein Red.** Planted Spring 1896. Tree a strong grower.
- 431.—**Great Mogul.** In nursery.
- 432.—**Greaves' Pippin.** In nursery.
- 433.—**Green Crimean.** Planted Spring 1895. Tree a strong grower. Fruit of medium size, conical. Skin greenish white, with a small blush. Flesh white, crisp, juicy, pleasantly acid, quality good. Season October.
- 434.—**Green Harvest.** Planted Spring 1896. Tree a vigorous grower. Fruit below medium size, oblong conical. Skin green, mottled with russet. Flesh firm, crisp, moderately juicy, a pleasant sub-acid, quality good. Season late Autumn.
- 435.—**Greening R. I.** Planted Spring 1890. Tree a vigorous but spreading grower. Fruit large, roundish, a little flattened. Skin greenish yellow, sometimes with a dull blush. Flesh yellowish, fine grained, tender, crisp, juicy, with a pleasant flavour, quality good. Season early Winter.
- 436.—**Green Stripe.** Planted Spring 1895. Tree a strong grower. Fruit large, conical. Skin greenish white, striped with bright red, and sprinkled with white dots. Flesh white, firm, juicy, mildly acid, pleasant, quality good. Season last of August.

- 437.—**Green Sweet.** In nursery.
- 438.—**Gremuch.** Planted Spring 1895. Tree a vigorous grower. Fruit very large, conical, ribbed. Skin green, with a few dark red stripes. Flesh white, coarse, not juicy, quality poor. Season September.
- 439.—**Grenadier.** In nursery.
- 440.—**Grillot.** In nursery.
- 441.—**Grimes' Golden.** Planted Spring 1890. Tree a vigorous but spreading grower, and very productive. Fruit of medium size, roundish oblong. Skin rich golden yellow, sprinkled with small gray dots. Flesh yellow, crisp, firm, juicy, with a rich pleasant flavour, quality very good. Season December to March.
- 442.—**Grindstone.** Planted Spring 1895. Tree a vigorous grower.
- 443.—**Grosse Franche.** In nursery.
- 444.—**Grosse Locarde.** In nursery.
- 445.—**Gruschovka.** Planted Spring 1895. Tree a strong grower.
- 446.—**Guelton.** In nursery.
- 447.—**Guildford Red.** In nursery.
- 448.—**Gul Pembe.** Planted Spring 1895. Tree a vigorous grower. Fruit below medium size, oblong, conical. Skin greenish yellow, with streaks and splashes of dull red. Flesh white, not juicy, or tender, quality poor. Season August.
- 449.—**Haas.** Planted Spring 1890. Tree a strong and spreading grower. Fruit above medium size, conical. Skin yellow, nearly covered with light and dark red. Flesh white, juicy, not tender, sub-acid, quality medium. Season September and October.
- 450.—**Haida.** In nursery.
- 451.—**Hamblings Seedling.** In nursery.
- 452.—**Hanwell Souring.** In nursery.
- 453.—**Hardisty.** In nursery.
- 454.—**Hardisty (X.)** In nursery.
- 455.—**Hamilton.** In nursery.
- 456.—**Hardy.** In nursery.
- 457.—**Hare Pipka.** Planted Spring 1895. Tree a vigorous grower.
- 458.—**Harrison of California.** Planted Spring 1898. Tree a vigorous grower
- 459.—**Haskell's Sweet.** Planted Spring 1894. Tree a vigorous grower. Fruit above medium size, oblate. Skin greenish yellow, with a brownish red blush. Flesh yellowish, crisp, juicy, very sweet, and slightly aromatic, quality very good. Season September and October.
- 460.—**Hartshorn.** In nursery.
- 461.—**Hastings.** Planted Spring 1890. Tree a strong grower. Fruit small to medium, oblate. Skin green, splashed with red. Flesh white; crisp, tender, sprightly, sub-acid. Season January and February.
- 462.—**Hatcher's Seedling.** Planted Spring 1894. Tree a vigorous grower.
- 463.—**Hall's Red.** In nursery.
- 464.—**Hawley.** Planted Spring 1890. Tree a vigorous and upright grower and constant bearer. Fruit large, roundish, oblong. Skin greenish yellow. Flesh whitish, juicy, crisp, tender, rich, mildly sub-acid, quality very good. Season September.
- 465.—**Headly.** Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, roundish, oblong. Skin greenish yellow, striped and splashed with bright red. Flesh white, juicy, firm, sprightly, acid, quality good. Season last of August.
- 466.—**Herren (GIBB).** Planted Spring 1895. Tree a medium grower.
- 467.—**Heatherbell.** Planted Spring 1898. Tree a vigorous grower.
- 468.—**Hebble White.** Planted Spring 1895. Tree a vigorous grower.
- 469.—**Herschendsgave.** Planted Spring 1896. Tree a vigorous grower.
- 470.—**Henzen's Pearmain.** Planted Spring 1897. Tree a vigorous grower.
- 471.—**Hennepin.** In nursery.
- 472.—**Hibernal.** Planted Spring 1896. Tree 'a strong grower. Fruit large, broadly conical. Skin greenish yellow with a pale red cheek. Flesh white, brisk, pleasantly acid, quality good. Season October.
- 473.—**High Cannon.** In nursery.
- 474.—**Hightop Sweet.** Planted Spring 1899. Tree a strong grower.
- 475.—**Himbeer.** Planted Spring 1898. Tree a vigorous grower.
- 476.—**Himbeer of Holowaus.** Planted Spring 1898. Tree a strong grower.
- 477.—**Histon Favourite.** In nursery.
- 478.—**Hoary Morning.** In nursery.
- 479.—**Hollandbury.** In nursery.
- 480.—**Hominy.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, conical. Skin green, nearly covered with dull red, and sprinkled with gray dots. Flesh white, crisp, not juicy, of pleasant flavour, quality good. Season last of August.
- 481.—**Hoover.** In nursery.
- 482.—**House Mother.** In nursery.
- 483.—**Hormead's Pearmain.** In nursery.
- 484.—**Holman.** In nursery.
- 485.—**Hubbard's Pearmain.** In nursery.

- 486.—**Hubbardston Nonesuch.** In nursery.
- 487.—**Humbledon Deux Ans.** In nursery.
- 488.—**Hunt.** In nursery.
- 489.—**Huntsman's Favourite.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, conical. Skin greenish yellow with a reddish blush and a few whitish dots. Flesh yellowish, a little coarse, juicy, crisp, mildly sub-acid, quality good. Season mid-winter.
- 490.—**Hurlbut.** Planted Spring 1890. Tree a vigorous grower, but very brittle in the wood and apt to break. Fruit large, oblate, conical. Skin greenish yellow, with red stripes, and dark red splashes, sprinkled also with white dots. Flesh white, crisp, tender, juicy, mildly sub-acid, quality good. Season October to December.
- 491.—**Hydes' King of the West.** Planted Spring 1899. Tree a strong grower.
- 492.—**Hyfill.** Planted Spring 1896. Tree a medium grower.
- 493.—**Idol.** In nursery.
- 494.—**Ildrod Pigeon.** Planted Spring 1896. Tree a vigorous grower.
- 495.—**Imperiale.** In nursery.
- 496.—**Improved Bellflower.** In nursery.
- 497.—**Indian.** Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, roundish, conical. Skin nearly covered with dark red, and sprinkled with whitish dots. Flesh white, juicy, tender, pleasant, mildly acid, quality good. Season January and February.
- 498.—**Ingram.** Planted Spring 1894. Tree a vigorous grower. Fruit below medium size, roundish, oblate. Skin green, nearly covered with splashes of red, and sprinkled with whitish dots. Flesh yellowish white, crisp, juicy, a pleasant sub-acid, quality good. Season midwinter.
- 499.—**Inkerman Greening.** In nursery.
- 500.—**Iowa Beauty.** In nursery.
- 501.—**Iowa Blush.** Planted Spring 1893. Tree a vigorous grower. Fruit of medium size, oblate, conical. Skin bright yellow, with a warm blush on sunny side. Flesh white, crisp, tender, juicy, mildly sub-acid. Season December and January.
- 502.—**Irish Peach.** In nursery.
- 503.—**Isham's Sweet.** Planted Spring 1894. Tree a strong grower. Fruit large, conical. Skin green, nearly covered with reddish russet. Flesh coarse, white, not juicy, sweet, quality medium. Season September.
- 504.—**Isherwood.** In nursery.
- 505.—**Ivanhoe.** In nursery.
- 506.—**Jacob Sweet.** Planted Spring 1895. Tree a vigorous grower. Fruit very large, roundish, conical. Skin green with a dull red blush. Flesh white, crisp, moderately juicy, tender, sweet, quality good. Season December and January.
- 507.—**Jacques Lebel.** In nursery.
- 508.—**Jacquin.** In nursery.
- 509.—**James Grieve.** In nursery.
- 510.—**James Welsh.** In nursery.
- 511.—**Jefferson.** In nursery.
- 512.—**Jefferis.** Planted Spring 1900. Tree a medium grower.
- 513.—**Jennie.** In nursery.
- 514.—**Jersey Sweet.** Planted Spring 1890. Tree a medium grower. Fruit of medium size, roundish tapering to the eye. Skin greenish yellow, nearly covered with dull red. Flesh white, tender, fine grained, very juicy and pleasant, sweet, quality very good. Season September and October.
- 515.—**Jonathan.** Planted Spring 1890. Tree a moderate grower, and regular bearer. Fruit small to medium, roundish, conical. Skin clear yellow, often nearly covered with dark red. Flesh white, tender, juicy, with a mild sprightly vinous flavour, quality very good. Season November to March.
- 516.—**Jones' Seedling.** Planted Spring 1895. Tree a vigorous grower.
- 517.—**Josephine.** In nursery.
- 518.—**Josephine Kreuter.** In nursery.
- 519.—**Juneating Red.** Planted Spring 1894. A medium grower. Fruit below medium size, conical. Skin green, nearly covered with splashes of bright red. Flesh white, crisp, juicy, sprightly, acid, quality good. Season last of July and early August.
- 520.—**June Market.** Planted Spring 1893. Tree a medium grower.
- 521.—**Justine.** In nursery.
- 522.—**Kaiser William.** Planted Spring 1898. Tree a medium grower.
- 523.—**Kantil Sinap.** Planted Spring 1896. Tree a vigorous grower and an early bearer. Fruit of medium size, oblong, tapering to eye. Skin greenish yellow, with a little russet, a faint blush and a few grayish dots. Flesh white, crisp, juicy, sub-acid, quality medium. Season early Winter.
- 524.—**Karabovka.** Planted Spring 1894. Tree a vigorous grower. Fruit below medium size, flattish conical. Skin green, splashed with red. Flesh whitish, crisp, juicy, pleasantly acid, quality good. Season August.
- 525.—**Karabovka (21M).** Planted Spring 1896. Tree a strong grower.

- 26.—**Kara Synap A.** Planted Spring 1896. Tree a vigorous grower. Fruit of medium size, irregularly flat conical. Skin green, freely splashed and streaked with red. Flesh rather coarse, yellow, crisp, juicy and pleasant, quality good. Season August.
- 27.—**Kara Synap B.** Planted Spring 1895. Tree a vigorous grower.
- 28.—**Keddlestone Pippin.** Planted Spring 1900. Tree a strong grower.
- 29.—**Kennedy Seedling.** Planted Spring 1898. Tree a vigorous grower.
- 30.—**Kent. Filbasket.** In nursery.
- 31.—**Kentish Codlin.** Planted Spring 1896. Tree a vigorous grower.
- 32.—**Kerry Pippin.** In nursery.
- 33.—**Keswick Codlin.** Planted Spring 1890. Tree a medium grower and an early and constant bearer. Fruit above medium size, oblong, conical, often ribbed. Skin greenish yellow, with a faint blush. Flesh yellowish white, crisp, juicy and pleasantly acid, quality good. A fine apple for cooking. Season August.
- 34.—**King.** Planted Spring 1890. Tree a strong and spreading grower. Fruit large globular, conical. Skin yellow, nearly covered with deep red. Flesh yellowish, a little coarse, juicy, tender, with a very agreeable pleasant flavour, quality very good. Season November and December.
- 35.—**King Harry.** In nursery.
- 36.—**King of Pippins.** In nursery.
- 37.—**Kingston Black.** In nursery.
- 38.—**Kinnaird's choice.** In nursery.
- 39.—**Kirkbridge.** Planted Spring 1896. Tree a vigorous grower.
- 40.—**Kneskoe.** Planted Spring 1895. Tree a strong grower. Fruit of medium size, roundish, ribbed. Skin yellowish with a reddish blush. Flesh whitish, firm, juicy, brisk acid, quality good. Season early August.
- 41.—**Knight's Greening.** In nursery.
- 42.—**Knight's No. 1.** In nursery.
- 43.—**Knight's No. 3.** In nursery.
- 44.—**Kohl's Early.** In nursery.
- 45.—**Kossuth.** Planted Spring 1896. Tree a vigorous grower.
- 46.—**Koursk Anis.** Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, roundish, flat, ribbed. Skin yellowish green, nearly covered with dull purple. Flesh white, crisp, juicy, pleasant, quality medium. Season end of August.
- 47.—**Krausser.** Planted Spring 1898. Tree a vigorous grower.
- 548.—**Kremer Glass.** Planted Spring 1897. Tree a vigorous grower.
- 549.—**Kronish Rosy.** In nursery.
- 550.—**Kruder.** Planted Spring 1895. Tree a medium grower.
- 551.—**Kurzstiel Winter.** Planted Spring 1898. Tree a vigorous grower.
- 552.—**Laboukey Sweet.** In nursery.
- 553.—**Lady.** Planted Spring 1896. Tree a strong grower.
- 554.—**Lady Derby.** In nursery.
- 555.—**Lady Finger.** Planted Spring 1896. Tree a vigorous grower.
- 556.—**Lady Henniker.** In nursery.
- 557.—**Lady Sudely.** In nursery.
- 558.—**Lady Sweet.** Planted Spring 1896. Tree a vigorous grower.
- 559.—**Lady Washington.** In nursery.
- 560.—**Langtons.** Planted Spring 1898. Tree a medium grower.
- 561.—**Lane's Sweet.** Planted Spring 1894. Tree a moderate grower. Fruit of medium size, roundish conical. Skin clear yellow, splashed with bright red, with a few light dots. Flesh white, crisp, tender, juicy, sweet, quality good. Season early September.
- 562.—**Lansingburgh.** Planted Spring 1894. Tree a vigorous grower. Fruit above medium size, roundish oblate. Skin greenish yellow, nearly covered with dull grayish red. Flesh white, crisp, firm, mildly sub-acid, quality good. Season Winter.
- 563.—**Lapough Koslov.** Planted Spring 1894. Tree a medium grower.
- 564.—**Large Anis.** Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblate, conical. Skin yellow, mottled and streaked with dull red, and with a few white dots. Flesh white, juicy, mildly sub-acid, quality medium. Season September.
- 565.—**Late Duchess.** Planted Spring 1896. Tree a moderate grower.
- 566.—**Late Winter.** In nursery.
- 567.—**Lawver.** Planted Spring 1898. Tree a vigorous grower.
- 568.—**Lead.** In nursery.
- 569.—**Lebedka.** Planted Spring 1894. Tree a medium grower.
- 570.—**Lednetz (GIBB).** Planted Spring 1899. Tree a vigorous grower.
- 571.—**Lemon Pippin.** In nursery.
- 572.—**Lewellyn.** In nursery.
- 573.—**Lichtenwalder.** Planted Spring 1898. Tree a vigorous grower.

- 574.—**Lincoln.** Planted Spring 1898. Tree a strong grower.
- 575.—**Lincolnshire Red Coat.** Planted Spring 1897. Tree a vigorous grower.
- 576.—**Lindsay.** Planted Spring 1893. Tree a slow grower.
- 577.—**Little Hat.** Planted Spring 1895. Tree a vigorous grower. Fruit large, oblong, conical. Skin green, splashed and striped with crimson. Flesh yellow, a little soft, juicy, acid, quality medium. Season last of August.
- 578.—**Little Red Romanite.** Planted Spring 1896. Tree a moderate grower. Fruit small, oblong, and flattened at calyx. Skin green, nearly covered with purple and sprinkled with gray dots. Flesh white, firm, crisp, juicy, mildly acid. Season January to March.
- 579.—**Little Red Winter.** Planted Spring 1896. Tree a moderate grower.
- 580.—**Liveland Raspberry.** In nursery.
- 581.—**Lodington.** In nursery.
- 582.—**Logan Sweet.** In nursery.
- 583.—**London Pippin.** Planted Spring 1896. Tree a vigorous grower.
- 584.—**Londesboro.** In nursery.
- 585.—**Long Arcade.** Planted Spring 1895. Tree a vigorous grower. Fruit large irregularly conical. Skin green with a reddish blush on sunny side, and many whitish dots. Flesh white, crisp, not very juicy, mildly acid. A good cooking apple. Season September.
- 586.—**Longfield.** Planted Spring 1890. Tree a weak grower, but an early and constant bearer. Fruit of medium size, conical. Skin yellowish with a pale blush on sunny side, and a little russet. Flesh white, juicy, mildly sub-acid, pleasant, quality good. Season October to December.
- 587.—**Longueil.** In nursery.
- 588.—**Looker Winter.** In nursery.
- 589.—**Lord Burleigh.** In nursery.
- 590.—**Lord Derby.** In nursery.
- 591.—**Lord Grosvenor.** In nursery.
- 592.—**Lord Hindlip.** In nursery.
- 593.—**Lord Nelson.** Planted Spring 1896. Tree a vigorous grower.
- 594.—**Lord Suffield.** Planted Spring 1898. Tree a strong grower.
- 595.—**Louise.** In nursery.
- 596.—**Lowell.** Planted Spring 1895. Tree a vigorous grower and productive. Fruit large, oblong, oval. Skin yellow and oily. Flesh yellowish, crisp, brisk, rich, slightly acid, with a pleasant flavour, quality good. Season September and October.
- 597.—**Loy.** Planted Spring 1896. Tree a vigorous grower.
- 598.—**Lubsk Queen.** Planted Spring 1895. Tree a vigorous grower.
- 599.—**Lyman's Pumpkin Sweet.** Planted Spring 1898. Tree a moderate grower.
- 600.—**Mabbot's Pearmain.** In nursery.
- 601.—**Madame Galopin.** In nursery.
- 602.—**Mademoiselle Jeanne Hardy.** In nursery.
- 603.—**Magnum Bonum.** Planted Spring 1890. Tree a strong grower.
- 604.—**Magog Red Streak.** Planted Spring 1890. Tree a strong and upright grower but a light bearer. Fruit of medium size, roundish, oblong. Skin greenish yellow nearly covered with red. Flesh nearly white, juicy, mildly sub-acid, quality medium. Season December.
- 605.—**Maiden's Blush.** Planted Spring 1890. Tree a strong and spreading grower, and a regular and heavy bearer. Fruit of medium size, oblate, a little tapering towards the eye. Skin a smooth wax yellow, with a bright red cheek. Flesh white, tender, sprightly sub-acid, quality good. Season September and October.
- 606.—**Malcolm Dunn.** In nursery.
- 607.—**Maltster.** In nursery.
- 608.—**Malus Edulis.** Planted Spring 1898. Tree a strong grower.
- 609.—**Mamma.** Planted Spring 1898. Tree a vigorous grower.
- 610.—**Mammoth Black Twig.** Planted Spring 1898. Tree a strong grower.
- 611.—**Mammoth Pippin of Arkansas.** In nursery.
- 612.—**Mammoth Pippin.** Planted Spring 1898. Tree a vigorous grower.
- 613.—**Magnolia.** Planted Spring 1899. Tree a medium grower.
- 614.—**Mank's Codlin.** Planted Spring 1890. Tree a vigorous grower and an early bearer. Fruit of medium size, oblong conical. Skin clear light yellow, with a dull reddish cheek. Flesh white, crisp juicy, pleasantly sub-acid, quality good. Season September and October.
- 615.—**Mann.** Planted Spring 1890. Tree a strong and spreading grower, and a moderate bearer. Fruit of medium size, roundish, oblate. Skin greenish yellow, with a brownish cheek in the sun, and freely sprinkled with gray dots. Flesh yellowish, fine, tender, nearly juicy, mildly sub-acid, pleasant, quality good. Season January and February.
- 616.—**Mannington's Pearmain.** In nursery.

- 117.—**Margil.** Planted Spring 1894. Tree a slender grower. Fruit below medium size, roundish, oblate. Skin yellow, striped with red. Flesh yellow, firm, crisp, aromatic, quality very good. Season November and December.
- 118.—**Marie.** Planted Spring 1896. Tree a vigorous grower.
- 119.—**Marion County Red.** In nursery.
- 120.—**Marseilles Summer.** Planted Spring 1898. Tree a strong grower.
- 121.—**Marshall's Red.** In nursery.
- 122.—**Marshall's Seedling.** Planted Spring 1898. Tree a vigorous grower.
- 123.—**Martha Washington.** Planted Spring 1896. Tree a vigorous grower.
- 124.—**Mason's Orange.** In nursery.
- 125.—**Matron.** Planted Spring 1896. Tree a vigorous grower.
- 126.—**Maverack's Sweet.** In nursery.
- 127.—**Maxey.** Planted Spring 1897. Tree a vigorous grower.
- 128.—**Max Pepper.** Planted Spring 1898. Tree a vigorous grower.
- 129.—**May Queen.** In nursery.
- 130.—**Mayne Island.** Planted Spring 1890. Tree a vigorous and spreading grower but a shy bearer. Fruit large, globular, nearly conical. Skin yellowish, mostly shaded with bright and dark red. Flesh yellowish, firm, crisp, juicy, with a rich vinous aromatic flavour, quality very good. Season November and December.
- 131.—**McAfee.** Planted Spring 1897. Tree a vigorous grower.
- 132.—**McCallum's (No. 1).** In nursery.
- 133.—**McEwen's Sweet.** Planted Spring 1898. Tree a strong grower.
- 134.—**McIntosh Red.** Planted Spring 1890. Tree a vigorous and spreading grower, but not very productive. Fruit of medium size, roundish, oblate, skin greenish yellow, nearly covered with purple red and sprinkled with small grayish dots. Flesh white, fine, tender, juicy, with a pleasant acidity, quality very good. Season November and December.
- 135.—**McKinley.** Planted Spring 1897. A vigorous grower.
- 136.—**McMahan White.** Planted Spring 1890. Tree a strong and spreading grower and productive. Fruit large, oblate, conical, skin white, with a handsome blush and a few whitish dots. Flesh white, very tender, juicy, mildly acid. A first-class cooking apple. Season October and November.
- 137.—**Medale d'Or.** In nursery.
- 138.—**Mela de Norcia.** Planted Spring 1896. Tree a vigorous grower.
- 639.—**Melinda, C. E. F.** In nursery.
- 640.—**Melinda, X. F.** Planted Spring 1890. Tree a vigorous spreading grower and a regular bearer. Fruit medium to above medium in size, irregularly conical, ribbed. Skin greenish yellow, nearly covered with a thin russet, and with a reddish blush on the sunny side. Flesh yellowish, juicy, sprightly, aromatic, sub-acid, with a pleasant flavour, quality good. Season early Winter.
- 641.—**Melonen.** Planted Spring 1895. Tree a vigorous grower. Fruit large, roundish, conical. Skin yellow, with a pink blush on the sunny side. Flesh a little coarse, white, juicy, sub-acid, with a pleasant flavour, quality good. Season last of August.
- 642.—**Ménagère.** In nursery.
- 643.—**Mère de Ménage.** In nursery.
- 644.—**Mickleham Pearmain.** In nursery.
- 645.—**Milam.** In nursery.
- 646.—**Milden.** Planted Spring 1892. Tree a vigorous grower, only a moderate bearer. Fruit large, oblate. Skin light yellow, nearly covered with two shades of red. Flesh yellowish, tender, juicy, crisp, pleasant, mildly acid, quality good. Season November and December.
- 647.—**Millar's Bellflower.** In nursery.
- 648.—**Milwaukee.** In nursery.
- 649.—**Minkler.** Planted Spring 1894. Tree a medium grower.
- 650.—**Minister.** Planted Spring 1898. Tree a strong grower.
- 651.—**Minnetonka.** In nursery.
- 652.—**Miron Grell.** Planted Spring 1894. Tree a vigorous grower.
- 653.—**Miron Solovieff.** Planted Spring 1894. Tree a vigorous grower.
- 654.—**Mirror.** In nursery.
- 655.—**Mission Pippin.** Planted Spring 1898. Tree a vigorous grower.
- 656.—**Missouri Pippin.** Planted Spring 1894. Tree a medium grower. Fruit of medium size, roundish, oblate. Skin greenish yellow, striped and splashed with light and dark red, with a few gray dots. Flesh whitish, juicy, firm, pleasant, quality good. Season early Winter.
- 657.—**Missouri Red Winter.** Planted Spring 1895. Tree a medium grower.
- 658.—**Missouri Superior.** Planted Spring 1893. Tree a medium grower.
- 659.—**Mitchell.** In nursery.
- 660.—**Mitchell (No. 1).** In nursery.
- 661.—**Mitchell (No. 2).** In nursery.
- 662.—**Monmouth Pippin.** In nursery.

- 663.—**Monstreuse de Nikita.** Planted Spring 1899. Tree a strong grower.
- 664.—**Montalivet.** In nursery.
- 665.—**Morden.** In nursery.
- 666.—**Mosher Sweet.** In nursery.
- 667.—**Moscow.** Planted Spring 1896. Tree a strong grower.
- 668.—**Mother.** Planted Spring 1894. Tree a moderate grower. Fruit above medium size, oblong and tapering to eye. Skin greenish yellow, nearly covered with clear red, there are also a few small dots. Flesh yellow, tender, rich, juicy, aromatic, quality very good. Season November and December.
- 669.—**Mowbray's (No. 5).** In nursery.
- 670.—**Mrs. Barron.** In nursery.
- 671.—**Mrs. Niemetz.** Planted Spring 1896. Tree a vigorous grower.
- 672.—**Munson's Sweet.** Planted Spring 1894. Tree a medium grower. Fruit of medium size, flatish, conical. Skin pale yellow. Flesh yellowish, juicy, sweet. Season November and December.
- 673.—**Murfit's Seedling.** In nursery.
- 674.—**My Desire.** Planted Spring 1898. Tree a weak grower.
- 675.—**Naliv Ansjutin.** Planted Spring 1894. Tree a moderate grower. Fruit of medium size, oblong, nearly conical. Skin clear yellow. Flesh yellowish, crisp, juicy and pleasantly acid, becomes dry and granular very soon after maturity, quality medium. Season last of July.
- 676.—**Nancy Jackson.** Planted Spring 1897. Tree a vigorous grower and an early bearer. Fruit above medium in size, flatish, conical. Skin yellowish, with a little russet about the stem, and splashed and streaked with bright red. Flesh white, juicy, tender, mildly acid. Season December.
- 677.—**Nansemond Beauty.** Planted Spring 1899. Tree a strong grower.
- 678.—**Nelson Codlin.** In nursery.
- 679.—**Nelson Sweet.** Planted Spring 1897. Tree a strong grower.
- 680.—**Nero.** In nursery.
- 681.—**New Berner Rose.** Planted Spring 1898. Tree a weak grower.
- 682.—**New Bess Poole.** In nursery.
- 683.—**New English Pigeon.** Planted Spring 1898. Tree a vigorous grower.
- 684.—**New Hawthornden.** In nursery.
- 685.—**New Northern Greening.** In nursery.
- 686.—**Newton.** Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, roundish, conical. Skin greenish white, nearly covered with stripes and splashes of bright red. Flesh white, juicy, crisp, slightly acid, quality good. Season August.
- 687.—**Newton Wonder.** In nursery.
- 688.—**Newton Pippin.** Planted Spring 1899. Tree a slender grower. Fruit of medium size, roundish. Skin russet green, with dull reddish blush and many small green dots. Flesh greenish white, crisp, juicy pleasantly sub-acid, with a high flavoured quality very good. Season February and March.
- 689.—**Newell's Winter.** In nursery.
- 690.—**Nez Plat.** In nursery.
- 691.—**Nils Juels.** Planted Spring 1898. Tree a moderate grower.
- 692.—**Niton House.** In nursery.
- 693.—**Nodhead of Washington.** Planted Spring 1898. Tree a strong grower.
- 694.—**Noble Sovarie.** In nursery.
- 695.—**Nonpareil.** Planted Spring 1894. Tree a vigorous grower and productive. Fruit below medium in size, roundish, flat. Skin greenish yellow, with a thin russet over nearly the whole surface. Flesh yellowish, crisp, juicy, sprightly, quality very good. Season December and January.
- 696.—**North Carolina Limbertwig.** Planted Spring 1896. Tree a vigorous grower.
- 697.—**Norcia.** Planted Spring 1898. Tree a medium grower.
- 698.—**Norfolk Beefing.** In nursery.
- 699.—**Northampton.** In nursery.
- 700.—**Northern Dumpling.** In nursery.
- 701.—**Northern Greening.** In nursery.
- 702.—**Northern Spy.** Planted Spring 1899. Tree a vigorous grower and a fair bearer when well grown. Fruit large, roundish, conical. Skin greenish yellow, with splashes of red in two shades. Flesh white, fine, tender, juicy, mildly sub-acid with a good flavour, quality very good. Season December and January.
- 703.—**North Star.** In nursery.
- 704.—**Nor-Western Greening.** Planted Spring 1898. Tree a strong grower.
- 705.—**No. 181 (BUDD).** Planted Spring 1899. Tree a vigorous grower, and an early bearer. Fruit large, flatish, conical. Skin bright clear yellow, with a faint blush. Flesh white, a little coarse, juicy, sub-acid. A good cooking apple. Season September.
- 706.—**No. 196 (BUDD).** Planted Spring 1899. Tree a vigorous grower.
- 707.—**No. 379 (BUDD).** In nursery.

- 708.—**No. 413** (BUDD). Planted Spring 1894. Tree a vigorous grower.
- 709.—**No. 447** (BUDD). Planted Spring 1894. Tree a vigorous grower.
- 710.—**No. 457** (BUDD). Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, oblong, slightly conical, irregular ribbed. Skin yellow, with a reddish blush. Flesh white, crisp, juicy, mildly acid, quality medium. Season early August.
- 711.—**No. 469** (BUDD). Planted Spring 1894. Tree a vigorous grower. Fruit small, round, flatish conical. Skin greenish yellow, with a brownish red cheek, and many small whitish dots. Flesh white, firm, moderately juicy, mildly acid, quality medium. Season December.
- 712.—**No. 599** (BUDD). Planted Spring 1894. Tree a vigorous grower. Fruit large to very large, roundish conical. Skin greenish yellow, striped with red. Flesh a little coarse, white, moderately juicy, mildly acid. A very good cooking apple. Season October and November.
- 713.—**No. 9 Voronesh**. Planted Spring 1895. Tree a vigorous grower.
- 714.—**No. 569**. Planted Spring 1895. Tree a vigorous grower. Fruit below medium size, round, conical. Skin greenish yellow, with a brownish red cheek, and many small white dots. Flesh white, crisp, not juicy, sub-acid, quality good. Season December.
- 715.—**No. 585**. Planted Spring 1895. Tree a medium grower.
- 716.—**No. 781**. In nursery.
- 717.—**Nyack Pippin**. Planted Spring 1898. Tree a medium grower.
- 718.—**Nickajack**. In nursery.
- 719.—**Oakland**. In nursery.
- 720.—**Oberdick's Pearmain**. Planted Spring 1898. Tree a weak grower.
- 721.—**Ober Seedling**. In nursery.
- 722.—**Occident**. Planted Spring 1898. Tree a medium grower.
- 723.—**October**. In nursery.
- 724.—**Ohio Nonpareil**. Planted Spring 1898. Tree a vigorous grower.
- 725.—**Okabena**. Planted Spring 1898. Tree a vigorous grower.
- 726.—**Okerá**. In nursery.
- 727.—**Old Winter Nonpareil**. In nursery.
- 728.—**Olive**. Planted Spring 1897. Tree a vigorous grower.
- 729.—**Onondauga**. Planted Spring 1893. Tree a weak grower. Fruit of medium size, roundish, conical. Skin green with a dull red cheek. Flesh greenish white, firm, not juicy, mildly sub-acid, quality poor. Season Winter.
- 730.—**Ontario**. In nursery.
- 731.—**Opetien**. In nursery.
- 732.—**Orange**. Planted Spring 1896. Tree a vigorous grower.
- 733.—**Orange Pippin**. Planted Spring 1898. Tree a vigorous grower.
- 734.—**Oregon Red Cheek**. Planted Spring 1898. Tree a vigorous grower.
- 735.—**Orel** (No. 1). Planted Spring 1895. Tree a vigorous grower. Fruit large, flatish conical. Skin greenish yellow, splashed over nearly the whole surface with red. Flesh white, coarse, juicy, sub-acid. A good cooking apple. Season August.
- 736.—**Orel** (No. 5). Planted Spring 1895. Tree a vigorous grower. Fruit very large, flat, round. Skin greenish yellow, splashed with red. Flesh white, juicy, mildly acid, quality medium. Season early August.
- 737.—**Orel** (No. 6). Planted Spring 1895. Tree a vigorous grower. Fruit large to very large, roundish conical. Skin greenish yellow, with streaks and splashes of red. Flesh white, coarse, moderately juicy, mildly acid. A good cooking apple. Season October and November.
- 738.—**Orel** (No. 27). Planted Spring 1895. Tree a vigorous grower. Fruit very large, oblong, tapering to eye. Skin yellowish white, with a faint blush on sunny side. Flesh white, firm, juicy, pleasant, mildly acid, quality good. Season September.
- 739.—**Orel** (980). Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblong, tapering slightly to eye. Skin green with light and dark red on the sunny side. Flesh white, tender, crisp and juicy, with a pleasant flavour, quality good. Season last of August.
- 740.—**Ornament de Table**. Planted Spring 1898. Tree a vigorous grower.
- 741.—**Ortley**. Planted Spring 1896. Tree a vigorous grower.
- 742.—**Osceola**. Planted Spring 1900. Tree a strong grower.
- 743.—**Ostrakoff** (472, BEADLE). Planted Spring 1895. Tree a strong grower. Fruit of medium size, oblong, conical. Skin pale yellow, with sometimes a faint blush. Flesh white, crisp, moderately juicy, with a pleasant flavour, quality good. Season last of August.
- 744.—**Oswin**. In nursery.
- 745.—**Owen Jones**. Planted Spring 1896. Tree a strong grower.
- 746.—**Oxford Peach**. Planted Spring 1896. Tree a moderate grower.
- 747.—**Ozark**. Planted Spring 1896. Tree a strong grower.

- 748.—**Painted Lady.** Planted Spring 1896.
Tree a vigorous grower.
- 749.—**Palmer.** Planted Spring 1895. Tree a medium grower.
- 750.—**Palmer Greening.** Planted Spring 1898.
Tree a vigorous grower.
- 751.—**Palouse.** Planted Spring 1894. Tree a moderate grower. Fruit above medium size, oblong, tapering to eye. Skin greenish yellow, splashed and streaked with red. Flesh yellowish, a little coarse, juicy, sub-acid, with a very pleasant flavour, quality good. Season October.
- 752.—**Paperovka.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium size. Roundish, slightly conical. Skin yellowish white. Flesh white, rather dry and granular, quality poor. Season August.
- 753.—**Paradise.** Planted Spring 1898. Tree a medium grower.
- 754.—**Paradise Sweet.** Planted Spring 1895.
Tree a strong grower.
- 755.—**Parker's Pippin.** Planted Spring 1896.
Tree a strong grower and an early bearer. Fruit above medium size, roundish, conical. Skin greenish yellow, with a little russet. Flesh white, firm, crisp and pleasant, quality good. Season early Winter.
- 756.—**Parson's Sweet.** Planted Spring 1894.
Tree a moderate grower. Fruit of medium size, conical. Skin yellowish white, with a small blush on the sunny side. Flesh white, juicy, firm, sweet, quality good. Season early Winter.
- 757.—**Patte de Loup.**—In nursery.
- 758.—**Patton's Duchess.** In nursery.
- 759.—**Patton's Greening.** Planted Spring 1898.
Tree a strong grower.
- 760.—**Peasgood's Nonsuch.** Planted Spring 1894. Tree a vigorous grower. Fruit large, roundish, oblate. Skin yellow with a pale blush and sprinkled with whitish dots. Flesh yellowish, tender, juicy, acid, with a pleasant flavour, quality good. Season October.
- 761.—**Peck's Pleasant.** Planted Spring 1890.
Tree a vigorous grower, but a light bearer. Fruit above medium size, roundish. Skin yellowish with a bright blush on the sunny side. Flesh yellowish, tender, juicy, mildly acid, with a fine aromatic flavour, quality very good. Season November and December.
- 762.—**Peffer.** In nursery.
- 763.—**Pennsylvania Red Streak.** In nursery.
- 764.—**Perle d'Angleterre.** Planted Spring 1895.
Tree a strong grower. Fruit below medium size, roundish, conical. Skin greenish yellow, with a little red and sprinkled with brown dots. Flesh whitish, tender, juicy, brisk sub-acid, with a fine flavour, quality good. Season November.
- 765.—**Persian Bogdanoff.** Planted Spring 1895.
Tree a vigorous grower. Fruit of medium size, oblong, conical. Skin yellowish green, with a faint blush on the sunny side. Flesh yellowish, crisp, juicy, pleasantly acid. Season August.
- 766.—**Peter.** In nursery.
- 767.—**Peter Smith.** In nursery.
- 768.—**Petersons.** In nursery.
- 769.—**Pewaukee.** Planted Spring 1890. Tree a vigorous grower and a regular bearer. Fruit above medium size, roundish, oblate. Skin greenish yellow, striped and spotted with dull red. Flesh white, crisp, juicy. Slightly acid, quality good. Season early Winter.
- 770.—**Picard's Reserve.** Planted Spring 1896.
Tree a strong grower.
- 771.—**Pickering Seedling.** In nursery.
- 772.—**Pigeon Blanc de Mayer.** In nursery.
- 773.—**Pigeon Gris.** In nursery.
- 774.—**Pigeon Jerusalem.** In nursery.
- 775.—**Pine Golden Pippin.** In nursery.
- 776.—**Pioneer.** Planted Spring 1898. Tree a vigorous grower.
- 777.—**Pippin d'Elkofen.**
- 778.—**Pitmaston Pine.** In nursery.
- 779.—**Plikanoff.** Planted Spring 1895. Tree a vigorous grower.
- 780.—**Plodovitka Koslov.** Planted Spring 1894.
Tree a strong grower. Fruit of medium size, round. Skin green, splashed with red. Flesh white, juicy, mildly sub-acid, quality medium. Season October.
- 781.—**Plodovitka Solovieff.** Planted Spring 1894. Tree a strong grower. Fruit of medium size, oblate, flat. Skin greenish white, splashed with crimson. Flesh white, moderately juicy, mildly acid, with a pleasant flavour, quality good. Season September and October.
- 782.—**Plum's Cider.** Planted Spring 1893. Tree a vigorous grower. Fruit of medium size, roundish, oblong. Skin golden yellow, freely sprinkled with grayish dots. Flesh firm, rich, juicy, sub-acid, quality very good. Season November and December.
- 783.—**Pointed Pipka.** Planted Spring 1895.
Tree a strong grower. Fruit above medium size, oblong, conical. Skin whitish yellow, freely streaked and splashed with bright red. Flesh white, a little coarse, crisp, juicy, mildly acid, with a pleasant flavour. quality good. Season last of August.
- 784.—**Pomme d'Eve.** Planted Spring 1895.
Tree a vigorous grower. Fruit small, roundish, flat. Skin green, sprinkled with whitish dots. Flesh greenish yellow, juicy, mildly acid, with a pleasant flavour, quality good. Season February.

- 785.—**Pomme de Glace.** Planted Spring 1898. Tree a medium grower. Same as White Astrachan.
- 786.—**Pomme Gris.** Planted Spring 1895. Tree a moderate grower. Fruit small, roundish, oblate. Skin russet gray, with a dull red cheek. Flesh tender, rich, high flavoured. quality very good. Season January and February.
- 787.—**Poor Man's Friend.** In nursery.
- 788.—**Poor House.** In nursery.
- 789.—**Porter.** Planted Spring 1894. Tree a vigorous grower and a free producer. Fruit of medium size, oblong, largest in the middle, and tapering to the eye. Skin clear rich yellow, with sometimes a dull blush. Flesh fine grained, very juicy, sprightly, aromatic, quality very good. Season September and October.
- 790.—**Possart.** In nursery.
- 791.—**Posson de France.** In nursery.
- 792.—**Postoph Winter.** Planted Spring 1896. Tree a moderate grower.
- 793.—**Potts' Seedling.** In nursery.
- 794.—**Pound Sweet.** Planted Spring 1895. Tree a vigorous grower.
- 795.—**Powyick.** In nursery.
- 796.—**President de Fays du Monceau.** In nursery.
- 797.—**Priam's Red Winter.** Planted Spring 1896. Tree a strong grower.
- 798.—**Price's Sweet.** Planted Spring 1894. Tree a vigorous grower. Fruit below medium size, oblong. Skin bright yellow, with a russet red cheek in the sun. Flesh firm, juicy, sweet, quality medium. Season September.
- 799.—**Pride of Minneapolis.** Planted Spring 1898. Tree a medium grower.
- 800.—**Pride of Washington.** In nursery.
- 801.—**Primate.** Planted Spring 1900. Tree a strong grower.
- 802.—**Prince Albert of Prussia.** Planted Spring 1896. A strong grower.
- 803.—**Prince Edward.** In nursery.
- 804.—**Prince Lippe.** In nursery.
- 805.—**Princess Louise.** Planted Spring 1898. Tree a strong grower.
- 806.—**Pryor's Red.** In nursery.
- 807.—**Professor Barral.** In nursery.
- 808.—**Pumpkin Sweet.** Planted Spring 1894. Tree a vigorous grower. Fruit very large, roundish. Skin green, with a few whitish dots. Flesh whitish, crisp, juicy, sweet, pleasant, quality good. Season December.
- 809.—**Putim** (GOVT. OF TCHERNIGOV). Planted Spring 1894. Tree a medium grower.
- 810.—**Pyle's Red Winter.** Planted Spring 1895. Tree a strong grower. Fruit below medium size, conical. Skin greenish yellow, with streaks and splashes of dull red, and sprinkled with brown dots. Flesh yellowish, fine grained, crisp, juicy, with a pleasant flavour, quality good. Season December and January.
- 811.—**Quebec Sweet.** In nursery.
- 812.—**Queen Caroline.** In nursery.
- 813.—**Queen Olga.**—Planted Spring 1896. Tree a vigorous grower. Fruit of medium size, rather long and slender, tapering to the eye. Skin greenish white, with a faint blush, and a thin whitish bloom, it also has a few whitish dots. Flesh white, firm, moderately juicy, mildly acid, quality good. Season early Winter.
- 814.—**Queter.** Planted Spring 1896. Tree a medium grower.
- 815.—**Rachel.** In nursery.
- 816.—**Ragan's Yellow.** Planted Spring 1896. Tree a strong grower.
- 817.—**Rallay de Hiver.** Planted Spring 1895. Tree a vigorous grower.
- 818.—**Rambo.** Planted Spring 1896. Tree a medium grower.
- 819.—**Rambour de Hiver.** Planted Spring 1895. Tree a vigorous grower.
- 820.—**Rambour d'Amerique.** In nursery.
- 821.—**Rambour d'Ete.** Planted Spring 1895. Tree a strong grower. Fruit of medium size, flatish. Skin greenish yellow, streaked with red, on sunny side. Flesh white, a little soft, sprightly, acid, quality medium. Season last of August.
- 822.—**Rambour Papelen.** In nursery.
- 823.—**Rambour Pippin.** Planted Spring 1900. Tree a strong grower.
- 824.—**Ramsays** (No. 1). In nursery.
- 825.—**Ramsays** (No. 2). In nursery.
- 826.—**Ramsdall's Sweet.** In nursery.
- 827.—**Rainbow.** Planted Spring 1900. Tree a medium grower.
- 828.—**Raspberry.** Planted Spring 1896. Tree a vigorous grower.
- 829.—**Rebel.** Planted Spring 1894. Tree a vigorous grower.
- 830.—**Red Aberdeen.** Planted Spring 1898. Tree a vigorous grower.
- 831.—**Red Astrachan.** Planted Spring 1890. Tree a vigorous grower, and productive. Fruit above medium size, roundish. Skin green, nearly overspread with deep crimson. Flesh white, crisp, juicy, with a rich flavour, quality good. Season August.

- 832.—**Red Autumn Calville.** Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, roundish conical, ribbed. Skin greenish yellow, nearly overspread with pale red. Flesh white, tender, juicy, pleasantly acid, slightly aromatic, quality good. Season October.
- 833.—**Red Bietigheimer.** Planted Spring 1890. Tree a vigorous and spreading grower. Fruit very large, oblate conical. Skin whitish yellow, shaded with light and dark red. Flesh white, firm, brisk sub-acid. A good cooking apple. Season October.
- 834.—**Red Belleflower.** Planted Spring 1896. Tree a vigorous grower.
- 835.—**Red Cider.** In nursery.
- 836.—**Red Detroit.** In nursery.
- 837.—**Red Duck.** In nursery.
- 838.—**Red Eisler.** Planted Spring 1896. Tree a vigorous grower.
- 839.—**Red Gravenstein.** Planted Spring 1896. Tree a vigorous grower.
- 840.—**Red Juneating.** Planted Spring 1894. Tree a strong grower. Fruit below medium size, roundish, tapering to the eye. Skin greenish yellow, nearly covered with red, and sprinkled with whitish dots. Flesh white, crisp, sprightly, acid, quality good. Season last of July.
- 841.—**Red Limbertwig.** Planted Spring 1898. Tree a medium grower.
- 842.—**Red Noble.** Planted Spring 1896. Tree a vigorous grower.
- 843.—**Red Pigeon.** Planted Spring 1896. Tree a vigorous grower.
- 844.—**Red Queen.** Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, roundish conical. Skin greenish yellow, with a bright blush on sunny side. Flesh white, not juicy, firm, mildly sub-acid, quality medium. Season early Winter.
- 845.—**Red Queen (No. 316 Budd).** Planted Spring 1895. Tree a vigorous grower. Fruit below medium size, roundish, tapering to the eye. Skin green with a dull red blush. Flesh white, crisp, moderately juicy, pleasantly sub-acid, quality medium. Season November.
- 846.—**Red Ribbed Greening.** In nursery. Planted Spring 1900. Tree a strong grower.
- 847.—**Red Rock.** In nursery.
- 848.—**Red Rose.** In nursery.
- 849.—**Red Stettin.** Planted Spring 1898. Tree a vigorous grower.
- 850.—**Red Streak.** Planted Spring 1895. Tree a strong grower. Fruit of medium size, oblong conical. Skin green, with pale reddish streaks, and splashes over nearly the whole surface. Flesh white, crisp, moderately juicy, sub-acid, quality medium. Season August.
- 851.—**Red Subluck.** Planted Spring 1895. Tree a medium grower.
- 852.—**Red Summer Peach.** Planted Spring 1896. Tree a vigorous grower.
- 853.—**Red Wine.** Planted Spring 1896. Tree a vigorous grower.
- 854.—**Red Winter Pearmain.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, oblong, conical. Skin pale yellow, nearly covered with red, and sprinkled with whitish dots. Flesh whitish, tender, moderately juicy, nearly sweet, quality good. Season January and February.
- 855.—**Red ' Winter Pigeon.** Planted Spring 1898. Tree a moderate grower.
- 856.—**Red Winter Sweet.** Planted Spring 1896. Tree a vigorous grower.
- 857.—**Reine des Pommes.** In nursery.
- 858.—**Reine des Reinettes.** In nursery.
- 859.—**Reinette Ananas.** Planted Spring 1898. Tree a moderate grower.
- 860.—**Reinette Anatol.** In nursery.
- 861.—**Reinette Ash-leaved.** Planted Spring 1898. Tree a vigorous grower.
- 862.—**Reinette Bauman's.** Planted Spring 1899. Tree a strong grower.
- 863.—**Reinette Beauty of Stoke.** In nursery.
- 864.—**Reinette Berks.** Planted Spring 1898. Tree a vigorous grower.
- 865.—**Reinette Burckhardt.** Planted Spring 1896. Tree a vigorous grower, and an early bearer. Fruit of medium size, oblate. Skin greenish yellow, with a good deal of russet. Flesh white, crisp, juicy, mildly acid, aromatic, quality very good. Season Winter.
- 866.—**Reinette Canada.** In nursery.
- 867.—**Reinette Carmelite.** Planted Spring 1896. Tree a vigorous grower and an early bearer. Fruit large, irregularly conical. Skin yellowish green. Flesh tender, white, not juicy, nearly sweet. Season August.
- 868.—**Reinette Clochard.** In nursery.
- 869.—**Reinette Crodee.** In nursery.
- 870.—**Reinette d'Anthezieux.** In nursery.
- 871.—**Reinette de Bréda.** In nursery.
- 872.—**Reinette des Carmes.** In nursery.
- 873.—**Reinette de Caux.** Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, roundish. Skin yellow, with splashes of red. Flesh yellowish, tender, juicy, pleasant. Season December to January.
- 874.—**Reinette de Chine.** In nursery.
- 875.—**Reinette de Cuzy.** In nursery.

- 876.—**Reinette de Damason.** In nursery.
- 877.—**Reinette d'Etlin.** In nursery.
- 878.—**Reinette de Gomont.** In nursery.
- 879.—**Reinette de Lettre.** Planted Spring 1895.
Tree a strong grower.
- 880.—**Reinette de Madère.** In nursery.
- 881.—**Reinette de la Pentecôte.** In nursery.
- 882.—**Reinette de Willy.** In nursery.
- 883.—**Reinette Diel.** In nursery.
- 884.—**Reinette dorée de Hoya.** In nursery.
- 885.—**Reinette dorée de Versailles.** In nursery.
- 886.—**Reinette Dutch Golden.** Planted Spring 1898. Tree a vigorous grower.
- 887.—**Reinette English.** Planted Spring 1896.
Tree a medium grower. Fruit of medium size, nearly conical. Skin bright yellow, with deep red nearly over the whole surface. Flesh yellowish, crisp, firm, juicy, acid, quality good. Season December and January.
- 888.—**Reinette Frederick the Great.** Planted Spring 1898. Tree a medium grower.
- 889.—**Reinette Gaesdonker Gold.** Planted Spring 1896. Tree a vigorous grower.
- 890.—**Reinette Golden.** Planted Spring 1895.
Tree a vigorous grower. Fruit of medium size, round, flattened. Skin greenish yellow, with a reddish blush over most of the surface, and a few russet dots. Flesh yellow, crisp, brisk sub-acid, of fine flavour, quality good. Season November and December.
- 891.—**Reinette Green.** Planted Spring 1898.
Tree a strong grower.
- 892.—**Reinette Grise.** Planted Spring 1895, a vigorous grower. Fruit small, roundish, flat. Skin grayish russet. Flesh yellow, juicy, pleasant, sub-acid, quality medium. Season November.
- 893.—**Reinette Grise d'Automne.** In nursery.
- 894.—**Reinette Grise d'Hiver.** In nursery.
- 895.—**Reinette Grise du Portugal.** In nursery.
- 896.—**Reinette Grise de Saintonge.** In nursery.
- 897.—**Reinette Grise Parmentier.** In nursery.
- 898.—**Reinette Grise Royale.** In nursery.
- 899.—**Reinette Harberts.** Planted Spring 1898.
Tree a strong grower.
- 900.—**Reinette Harvest.** Planted Spring 1898.
Tree a vigorous grower.
- 901.—**Reinette Kieve.** In nursery.
- 902.—**Reinette Kursk** (No. 20 m). Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblong, a little tapering to eye. Skin yellowish white, with a few patches of russet. Flesh yellowish, crisp, a little coarse, juicy, slightly, aromatic, sub-acid, quality good. Season September and October.
- 903.—**Reinette Landsburg.** Planted Spring 1896. Tree a vigorous grower.
- 904.—**Reinette à la long queue.** In nursery.
- 905.—**Reinette Luisante.** In nursery.
- 906.—**Reinette Luxembourg.** Planted Spring 1896. Tree a strong grower.
- 907.—**Reinette Muscat.** Planted Spring 1898.
Tree a slow grower.
- 908.—**Reinette Musquée.** In nursery.
- 909.—**Reinette Oberdicks.** Planted Spring 1898.
Tree a medium grower.
- 910.—**Reinette Orleans.** Planted Spring 1896.
Tree a vigorous grower.
- 911.—**Reinette Peasgoods Golden.** Planted Spring 1898. Tree a vigorous grower.
- 912.—**Reinette Plate de Champagne.** In nursery.
- 913.—**Reinette Rambour.** Planted Spring 1895.
Tree a vigorous grower and an early bearer. Fruit large, irregularly ribbed, conical. Skin yellow, with a slight blush. Flesh whitish, firm, juicy, sub-acid, quality good. Season August.
- 914.—**Reinette Red.** Planted Spring 1896. Tree a vigorous grower.
- 915.—**Reinette Sharp's.** In nursery.
- 916.—**Reinette Sharlock.** In nursery.
- 917.—**Reinette Siegende.** In nursery.
- 918.—**Reinette Simirenko.** In nursery.
- 919.—**Reinette Swedish.** In nursery.
- 920.—**Reinette Tardive.** In nursery.
- 921.—**Reinette Thouin.** In nursery.
- 922.—**Reinette Titus.** In nursery.
- 923.—**Reinette Voronesh.** Planted Spring 1895. Tree a vigorous grower. Fruit large, oblate, a little conical. Skin greenish yellow, splashed and streaked with bright red. Flesh white, coarse, juicy and mildly acid. A good cooking apple. Season October.
- 924.—**Reinette Zuccalmaglio's.** Planted Spring 1896. Tree a medium grower.
- 925.—**Renard's Seedling.** Planted Spring 1895.
Tree a vigorous grower. Fruit of medium size, oblate conical. Skin greenish, nearly covered with dull red. Flesh whitish, crisp, juicy, mildly acid, quality good. Season October and November.

- 926.—**Repolovka M.** Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, roundish, ribbed. Skin whitish, with a dull reddish blush. Flesh white, firm, juicy, of a brisk sub-acid character, quality good. Season August.
- 927.—**Revel Glass.** In nursery.
- 928.—**Revel Pear.** In nursery.
- 929.—**Ribston Pippin.** Planted Spring 1890. Tree a vigorous but spreading grower, and productive. Fruit of medium size, roundish. Skin greenish yellow, with a little russet, and a dull red blush. Flesh golden yellow, firm, crisp, moderately juicy, with a rich aromatic flavour, quality very good. Season November to January.
- 930.—**Richland Winter.** In nursery.
- 931.—**Ridge Pippin.** Planted Spring 1895. Tree a strong grower.
- 932.—**Ringer.** In nursery.
- 933.—**Rivers' Early Peach.** In nursery.
- 934.—**Rivière.** In nursery.
- 935.—**Roberson.** Planted Spring 1895. Tree a vigorous grower.
- 936.—**Rogers' Hillcentre.** In nursery.
- 937.—**Rolfe.** Planted Spring 1890. Tree a vigorous grower and productive. Fruit of medium size, oblate. Skin yellow, shaded and striped with red. Flesh white, tender, fine grained, sub-acid, quality good. Season November.
- 938.—**Romanite.** Planted Spring 1899. Tree a vigorous grower.
- 939.—**Roman Stem.** Planted Spring 1893. Tree a moderate grower.
- 940.—**Rome Beauty.** Planted Spring 1893. Tree a vigorous grower.
- 941.—**Romenskoe.** Planted Spring 1896. Tree a vigorous grower. Fruit above medium size, oblate, conical. Skin green with a reddish blush. Flesh white, crisp, juicy, mildly acid, quality good. Season October and November.
- 942.—**Romna (GIBB).** Planted Spring 1895. Tree a medium grower.
- 943.—**Ross Nonpareil.** In nursery.
- 944.—**Rosy Repka.** Planted Spring 1895. Tree a vigorous grower. Fruit large, oblong, conical. Skin green, with stripes and splashes of red, over nearly the whole surface, and a thin whitish bloom. Flesh white, juicy, tender, mildly acid, quality good. Season August.
- 945.—**Rosy Voronesh (1227 BEADLE).** Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblong, tapering to the eye. Skin yellow, splashed with bright red. Flesh white, crisp, juicy, a little coarse, mildly acid, with a pleasant flavour, quality good. Season last of July and first of August.
- 946.—**Rouge Bruyère.** In nursery.
- 947.—**Round Borsdorf.** Planted Spring 1895. Tree a vigorous grower. Fruit small, roundish flattened. Skin greenish yellow, with a red cheek. Flesh greenish white, firm, not juicy, quality poor. Season January.
- 948.—**Roundway Magnum Bonum.** In nursery.
- 949.—**Royal d'Angleterre.** In nursery.
- 950.—**Royal Late.** In nursery.
- 951.—**Royal Pearmain.** In nursery.
- 952.—**Royal Table.** Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, oblong, slightly oblique. Skin greenish, with a dull red cheek, and sprinkled with whitish dots. Flesh whitish, juicy, mildly acid, with a pleasant flavour, quality good. Season October and November.
- 953.—**Ruby Gem.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, oblate, conical. Skin green, nearly over-spread with dull red, and sprinkled with whitish dots. Flesh white, fine grained, crisp, juicy, with a pleasant flavour, quality good. Season September.
- 954.—**Ruby Pearmain.** In nursery.
- 955.—**Rudolph's Borsdorfer.** Planted Spring 1896. Tree a vigorous grower.
- 956.—**Russian Preserve.** Planted Spring 1896. Tree a vigorous grower. Fruit of medium size, roundish, conical. Skin greenish white. Flesh white, not juicy, sweet, quality poor. Season September.
- 957.—**Russet Allen's.** Planted Spring 1896. Tree a vigorous grower.
- 958.—**Russet American Golden.** Planted Spring 1890. Tree a vigorous grower. Fruit below medium size, roundish, tapering slightly to the eye. Skin greenish yellow, with a little russet. Flesh yellowish, tender, juicy, with a mild rich flavour, quality very good. Season November to March.
- 959.—**Russet Aromatic.** Planted Spring 1897. Tree a strong grower.
- 960.—**Russet Brownlee's.** Planted Spring 1898. Tree a vigorous grower.
- 961.—**Russet Egremont.** In nursery.
- 962.—**Russet Egyptian.** In nursery.
- 963.—**Russet Fraser.** In nursery.
- 964.—**Russet Gibbon's.** In nursery.
- 965.—**Russet Henry's.** Planted Spring 1890. Tree a vigorous grower. Fruit of medium size globular. Skin greenish yellow, nearly covered with russet. Flesh white, tender, juicy, with a mild pleasant flavour, quality very good. Season November to March.
- 966.—**Russet Knight's.** In nursery.

- 967.—**Russet McIndoe's.** In nursery.
- 968.—**Russet Perry.** Planted Spring 1893. Tree a vigorous grower. Fruit above medium size, oblong. Skin yellow, nearly overspread with a thin russet, and sprinkled with gray dots. Flesh yellowish, firm, juicy, a brisk sub-acid, quality good. Season last of September and October.
- 969.—**Russet Pitmaston Nonpareil.** In nursery.
- 970.—**Russet Pewaukee.** Planted Spring 1895. Tree a vigorous grower, and an early bearer. Fruit of medium size, flatish conical. Skin green, nearly overspread with light and dark splashes of red. Flesh white, a little coarse, juicy, pleasantly acid, quality good. Season August.
- 971.—**Russet Red.** In nursery.
- 972.—**Russet Rosemary.** Planted Spring 1894. Tree a vigorous grower. Fruit medium to large, roundish, conical. Skin yellowish, with spots of gray russet. Flesh yellowish, firm, mildly acid, with a fine rich flavour, quality very good. Season December.
- 973.—**Russet Roxbury.** Planted Spring 1900. Tree a strong grower.
- 974.—**Russet Royal.** In nursery.
- 975.—**Russet Sweet.** In nursery.
- 976.—**Russet Wheeler's.** In nursery.
- 977.—**Russet White.** In nursery.
- 978.—**Russet William's.** In nursery.
- 979.—**Russian Tyrol.** Planted Spring 1894. Tree a vigorous grower, and an early bearer. Fruit of medium size, oblong, conical. Skin greenish yellow, with a dull red blush on the sunny side, and a little russet. Flesh white, juicy, a little coarse, mildly sub-acid and of pleasant flavour, quality good. Season November and December.
- 980.—**Rymer.** In nursery.
- 981.—**Russell.** In nursery.
- 982.—**Richard the Great.** Planted Spring 1898. Tree a slow grower.
- 983.—**Sabadkia Scertchia.** In nursery.
- 984.—**Saccharine.** In nursery.
- 985.—**Saint Bauzan.** In nursery.
- 986.—**Saint Edmund's Pippin.** In nursery.
- 987.—**Saint Germain.** In nursery.
- 988.—**Saint Hilaire.** In nursery.
- 989.—**Saint Martin.** In nursery.
- 990.—**Saint Lawrence.** Planted Spring 1890. Tree a vigorous grower, and regular bearer. Fruit large, oblate tapering to the eye. Skin yellowish, striped and splashed with carmine. Flesh white, juicy, crisp, tender and vinous, quality very good. Season September.
- 991.—**Salome.** Planted Spring 1890. Tree a vigorous grower and an early and regular bearer. Fruit a little below medium size, roundish, conical. Skin yellow, shaded with pale red, striped and splashed with dark red, over most of the surface, and sprinkled with light yellowish dots. Flesh yellowish, fine grained, tender, juicy, mildly sub-acid, slightly aromatic, quality very good. Season January to May.
- 992.—**Sambo.** Planted Spring 1899. Tree a feeble grower.
- 993.—**Sandringham.** Planted Spring 1899. Tree a strong grower.
- 994.—**Sans Pepin.** In nursery.
- 995.—**Sanspareil.** In nursery.
- 996.—**Sara Synap.** Planted Spring 1897. Tree a vigorous grower.
- 997.—**Saxton.** In nursery.
- 998.—**Saxon Priest.** In nursery.
- 999.—**Scarlet Cranberry.** Planted Spring 1892. Tree a vigorous grower. Fruit below medium size, oblate, conical. Skin green, nearly covered with splashes of dark red, and sprinkled with grayish dots. Flesh white, firm, not juicy, but of pleasant flavour, nearly sweet. Season February to May.
- 1000.—**Scarlet Nonpareil.** In nursery.
- 1001.—**Schoolmaster.**—In nursery.
- 1002.—**Scinde Centre.** In nursery.
- 1003.—**Scott's Winter.** Planted Spring 1890. Tree a vigorous grower, and an early and constant bearer. Fruit below medium size, oblate, tapering to the eye. Skin green, almost covered with two shades of red. Flesh white, crisp, juicy, sprightly, pleasantly acid, quality good to very good. Season January to February.
- 1004.—**Seaton House.** In nursery.
- 1005.—**Seek no Further (WESTFIELD).** Planted Spring 1899. Tree a strong grower.
- 1006.—**Seek no Further of Oregon.** Planted Spring 1898. Tree a vigorous grower.
- 1007.—**Senecal.** In nursery.
- 1008.—**September.** Planted Spring 1896. Tree a vigorous grower.
- 1009.—**September Beauty.** In nursery.
- 1010.—**Senator.** In nursery.
- 1011.—**Shackleford.** Planted Spring 1894. Tree a medium grower.
- 1012.—**Shannon.** Planted Spring 1890. Tree a vigorous grower, and an early and regular bearer. Fruit above medium size, roundish, oblate, skin yellow, with sometimes a faint blush. Flesh yellowish, juicy, a little coarse, but of a pleasant, sprightly acid character, quality good. Season November and December.

- 1013.—**Shannon Pippin**. Planted Spring 1894. Tree a vigorous grower.
- 1014.—**Shirk**. Planted Spring 1898. Tree a vigorous grower.
- 1015.—**Shirley**. In nursery.
- 1016.—**Shockley**. Planted Spring 1899. Tree a medium grower.
- 1017.—**Siegfried**. In nursery.
- 1018.—**Signe Tillisch**. Planted Spring 1898. Tree a medium grower.
- 1019.—**Silken Leaf**. Planted Spring 1895. Tree a vigorous grower. Fruit large, oblong, conical. Skin greenish, with a faint blush on the sunny side. Flesh white, moderately juicy, a little coarse, sub-acid, quality poor. Season late Autumn.
- 1020.—**Simbirsk** (No. 2). Planted Spring 1895. Tree a vigorous grower.
- 1021.—**Simbirsk** (No. 3). Planted Spring 1895. Tree a vigorous grower.
- 1022.—**Simbirsk** (No. 4). Planted Spring 1895. Tree a vigorous grower. Fruit large, nearly oblong, conical. Skin greenish white, striped and splashed with deep red. Flesh yellow, juicy, mildly acid, with a pleasant flavour, quality good. Season August.
- 1023.—**Simbirsk** (No. 5). Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, oblate, conical. Skin greenish yellow, with a small red cheek. Flesh white, yellowish, juicy, mildly acid, with a pleasant flavour, quality good. Season October.
- 1024.—**Simbirsk** (No. 10). Planted Spring 1895. Tree a vigorous grower.
- 1025.—**Simbirsk** (No. 11). Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, flat, slightly conical. Skin green, with a dull red cheek. Flesh white, crisp, juicy, of a pleasant sub-acid character, quality good. Season last of September.
- 1026.—**Sir Oliver**. In nursery.
- 1027.—**Skinner's Pippin**. In nursery.
- 1028.—**Sklinka**. Planted Spring 1894. Tree a vigorous grower.
- 1029.—**Skirsch** (CROSS, VOR). Planted Spring 1895. Tree a vigorous grower. Fruit below medium size, roundish, conical. Skin pale yellow. Flesh whitish, not juicy, mildly sub-acid, quality poor. Season August.
- 1030.—**Skirschapfel**. In nursery.
- 1031.—**Skrosnina** (GRELL). Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, oblate. Skin green, with a dull reddish cheek. Flesh white, juicy, crisp, nearly sweet, quality good. Season last of July.
- 1032.—**Small's Admirable**. In nursery.
- 1033.—**Smart's Prince Arthur**. In nursery.
- 1034.—**Skrutt** (GRELL). Planted Spring 1894. Tree a medium grower.
- 1035.—**Smith's Cider**. Planted Spring 1890. Tree a vigorous grower, and a regular bearer. Fruit of medium size, roundish, conical. Skin yellow shaded and striped with light red, and sprinkled with gray dots. Flesh white, tender, juicy, crisp, of a pleasant, mild acid character, quality good. Season January and February.
- 1036.—**Smith's** (No. 1). In nursery.
- 1037.—**Smith's** (No. 2). In nursery.
- 1038.—**Smith's Seedling**. In nursery.
- 1039.—**Smokehouse**. Planted Spring 1894. Tree a medium grower. Fruit of medium size, roundish, oblate. Skin greenish yellow, with a few splashes of red and many gray dots. Flesh yellowish, firm, moderately juicy, of a pleasant mild acid character, quality good. Season January and February.
- 1040.—**Snyder**. In nursery.
- 1041.—**Sommitelnoe**. Planted Spring 1894. Tree a vigorous grower. Fruit small, conical. Skin green, nearly overspread with bright red. Flesh white, not juicy, quality poor. Season August.
- 1042.—**Sops of Wine**. In nursery.
- 1043.—**Southern Limbertwig**. Planted Spring 1895. Tree a vigorous grower.
- 1044.—**Spanish Borsdorf**. Planted Spring 1896. Tree a vigorous grower.
- 1045.—**Spasovka**. In nursery.
- 1046.—**Spath's Seedling**. Planted Spring 1898. Tree a weak grower.
- 1047.—**Spitzenburg**. Planted Spring 1890. Tree a vigorous grower. Fruit of medium size, oblong, tapering to the eye. Skin yellow, nearly covered with bright red and sprinkled with yellowish dots. Flesh yellow, firm, crisp, juicy, with a rich flavour, quality very good. Season December and January.
- 1048.—**Spencer**. In nursery.
- 1049.—**Springdale**. Planted Spring 1896. Tree a vigorous grower.
- 1050.—**Staar**. Planted Spring 1898. Tree a vigorous grower.
- 1051.—**Staring**. Planted Spring 1898. Tree a medium grower.
- 1052.—**Stark**. Planted Spring 1890. Tree a vigorous grower and a free bearer. Fruit large, oblong, tapering to the eye. Skin greenish yellow, nearly covered with purple red and sprinkled with brown dots. Flesh yellowish, crisp, a little coarse, moderately juicy, mildly sub-acid, quality good. Season January to May.
- 1053.—**Steklianka**. Planted Spring 1895. Tree a vigorous grower.

- 1054.—**Steven's Winter.** Planted Spring 1898. Tree a slow grower.
- 1055.—**Steward.** Planted Spring 1895. Tree a medium grower.
- 1056.—**Stewarts** (No. 2). In nursery.
- 1057.—**Stirling Castle.** In nursery.
- 1058.—**Stone Antonovka.** Planted Spring 1894. Tree a vigorous grower. Fruit above medium size, oblong, ribbed. Skin greenish white. Flesh whitish, a little coarse, mildly sub-acid, quality good. Season last of August.
- 1059.—**Stone's Eureka.** Planted Spring 1896. Tree a vigorous grower.
- 1060.—**Strawberry Hereford.** In nursery.
- 1061.—**Striefling.** Planted Spring 1896. Tree a vigorous grower.
- 1062.—**Striped Anis.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, oblate. Skin yellow, with stripes of red. Flesh yellowish, juicy, a little coarse, of a pleasant sub-acid character, quality good. Season last of July.
- 1063.—**Striped Beaufin.** In nursery.
- 1064.—**Striped July.** Planted Spring 1896. Tree a vigorous grower.
- 1065.—**Striped Winter.** In nursery.
- 1066.—**Stuart's Golden.** Planted Spring 1896. Tree a vigorous grower.
- 1067.—**Steednicne.** Planted Spring 1896. Tree a vigorous grower.
- 1068.—**Sturmer Pippin.** In nursery.
- 1069.—**Sugar.** In nursery.
- 1070.—**Sugar Loaf Pippin.** Planted Spring 1897. Tree a vigorous grower.
- 1071.—**Summer Pearmain.** Planted Spring 1898. Tree a medium grower.
- 1072.—**Summer King.** In nursery.
- 1073.—**Summer Nonpareil.** In nursery.
- 1074.—**Summer Queen.** Planted Spring 1895. Tree a strong grower. Fruit large, broad and tapering to the eye. Skin yellow with red streaks. Flesh yellow, crisp, juicy, aromatic. Season August.
- 1075.—**Summer Red Streak.** Planted Spring 1894. Tree a medium grower. Fruit of medium size, oblate, conical. Skin yellow, streaked with red. Flesh white, crisp, juicy, of a brisk sub-acid character, very liable to scab, quality poor. Season August.
- 1076.—**Summer Rose.** Planted Spring 1898. Tree a medium grower.
- 1077.—**Summer Spice.** Planted Spring 1896. Tree a vigorous grower and an early bearer. Fruit of medium size, globular, tapering to the eye. Skin yellow. Flesh white, not juicy, mildly sub-acid, slightly aromatic, quality good. Season early August.
- 1078.—**Surprise.** Planted Spring 1897. Tree a vigorous grower.
- 1079.—**Suzanne.** In nursery.
- 1080.—**Sutton Beauty.** Planted Spring 1890. Tree a strong and upright grower, but a shy bearer. Fruit of medium size, roundish, oblate, conical. Skin golden yellow, shaded and splashed with bright red. Flesh yellowish, crisp, juicy, tender, mildly sub-acid, quality very good. Season December and January.
- 1081.—**Swaar.** Planted Spring 1890. Tree a vigorous grower, but not very productive. Fruit above medium size, roundish. Skin golden yellow, with brown dots. Flesh yellowish, tender, juicy, with a rich aromatic flavour, quality very good. Season December and January.
- 1082.—**Swayzie Pomme Gris.** Planted Spring 1899. Tree a medium grower.
- 1083.—**Sweet Borovinka** (874 BDD). In nursery.
- 1084.—**Sweet Bough.** Planted Spring 1890. Tree a vigorous grower, and a regular bearer. Fruit large, oblong, tapering to the eye. Skin pale yellow. Flesh yellowish, tender, juicy, crisp, with a rich sweet flavour, quality good. Season August.
- 1085.—**Sweet Pipka.** In nursery.
- 1086.—**Sweet Spitzenberg.** Planted Spring 1893. Tree a strong grower.
- 1087.—**Swinsovka.** In nursery.
- 1088.—**Switzer.** Planted Spring 1893. Tree a medium grower and an early bearer. Fruit of medium size, oblate. Skin yellow, nearly covered with deep red. Flesh white, juicy, pleasantly sub-acid, quality good. Season January and February.
- 1089.—**Sylvan Sweet.** In nursery.
- 1090.—**Taarenborg.** Planted Spring 1896. Tree a vigorous grower.
- 1091.—**Taffet's White.** Planted Spring 1896. Tree a vigorous grower.
- 1092.—**Taffet's Winter.** Planted Spring 1895. Tree a vigorous grower. Fruit small, round, flat. Skin greenish, with a faint blush. Flesh greenish white, firm, moderately juicy, with a pleasant flavour, quality good. Season early Winter.
- 1093.—**Talman's Sweet.** Planted Spring 1890. Tree a vigorous grower and productive. Fruit nearly globular. Skin whitish yellow, with sometimes a soft blush, with a distinct line running from stem to calyx. Flesh white, firm, fine grained, with a rich sweet flavour, quality good. Season November to March.
- 1094.—**Teint Frais.** In nursery.
- 1095.—**Ten Shillings.** Planted Spring 1897. Tree a vigorous grower.

- 1096.—**Tetofaky.** Planted Spring 1890. Tree a moderate grower. Fruit of medium size, roundish. Skin yellowish, with stripes of red, and a thin white bloom. Flesh white, juicy, sprightly, acid, quality good. Season early August.
- 1097.—**The Queen.** Planted Spring 1898. Tree a medium grower.
- 1098.—**The Vicar.** In nursery.
- 1099.—**Thistlewait.** Planted Spring 1898. Tree a strong grower.
- 1100.—**Thompson's Seedling** (No. 24). Planted Spring 1898. Tree a strong grower.
- 1101.—**Thompson's Seedling** (No. 26). Planted Spring 1898. Tree a vigorous grower.
- 1102.—**Thompson's Seedling** (No. 38). Planted Spring 1898. Tree a vigorous grower.
- 1103.—**Thompson's Seedling** (No. 46). Planted Spring 1898. Tree a vigorous grower.
- 1104.—**Thompson's Seedling** (No. 66). Planted Spring 1898. Tree a vigorous grower.
- 1105.—**Thomas Rivers.** In nursery.
- 1106.—**Throne.** In nursery.
- 1107.—**Tibbet's Pearmain.** In nursery.
- 1108.—**Thaler.** In nursery.
- 1109.—**Tiesenhauser.** In nursery.
- 1110.—**Titovka Koslov.** Planted Spring 1895. Tree a vigorous grower.
- 1111.—**Titovka Solovieff.** Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblong, slightly conical. Skin greenish yellow, with streaks of bright red on the sunny side. Flesh white, crisp, juicy and sprightly, quality good. Season September.
- 1112.—**Tobias Black.** In nursery.
- 1113.—**Tom Putt.** In nursery.
- 1114.—**Toskins** (No. 4). Planted Spring 1895. Tree a vigorous grower.
- 1115.—**Tessie.** In nursery.
- 1116.—**Tower of Glammis.** In nursery.
- 1117.—**Transparent de Croncels.** In nursery.
- 1118.—**Transparent de Croncelles.** Planted Spring 1898. Tree a vigorous grower.
- 1119.—**Tranekjaer.** Planted Spring 1898. Tree a strong grower.
- 1120.—**Trenton.** Planted Spring 1895. Tree a vigorous grower. Fruit of medium size, conical. Skin greenish yellow, with dull red over nearly the whole surface. Flesh white, not juicy, tender, mildly sub-acid, nearly sweet, quality medium. Season August and early September.
- 1121.—**Tridka.** Planted Spring 1898. Tree a medium grower.
- 1122.—**Tuft's Baldwin.** Planted Spring 1898. Tree a vigorous grower.
- 1123.—**Tyler's Kernel.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium or above medium size, oblong, conical. Skin greenish yellow, nearly covered with dull red. Flesh yellowish, crisp, juicy, mildly sub-acid, with a pleasant rich aromatic flavour, quality very good. Season September.
- 1124.—**Tyrrestrup.** Planted Spring 1897. Tree a medium grower.
- 1125.—**Twenty ounce.** Planted Spring 1890. Tree a vigorous grower and productive. Fruit large, roundish. Skin greenish yellow, splashed and marked with red. Flesh coarse, sprightly, acid, quality good. Season November and December.
- 1126.—**Ukraine.** Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblong. Skin pale yellow, with patches of russet. Flesh whitish, coarse, firm, juicy, and of a pleasant acid character, quality good. Season October.
- 1127.—**Utter's Large Red.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, oblate. Skin whitish yellow, with a few streaks of light red, and sprinkled with grayish dots. Flesh white, tender, juicy, mildly sub-acid, quality good. Season November.
- 1128.—**Vargul.** In nursery.
- 1129.—**Vargulek** (55 VOR.). Planted Spring 1896. Tree a vigorous grower.
- 1130.—**Van Deman.** In nursery.
- 1131.—**Vandevere.** Planted Spring 1896. Tree a vigorous grower. Fruit of medium size, oblate. Skin greenish yellow, with a little russet, and some red blush. Flesh yellowish, solid, juicy, tender, rich, sub-acid, with a pleasant flavour, quality good. Season October and November.
- 1132.—**Vandevere Pippin.** Planted Spring 1894. Tree a vigorous grower. Fruit large round, flatish, conical. Skin greenish yellow, with streaks of bright red on the sunny side. Flesh white, crisp, of a brisk sub-acid character, quality good. Season January.
- 1133.—**Verdin d'Automne.** In nursery.
- 1134.—**Verdin d'Hiver.** In nursery.
- 1135.—**Vielchen.** Planted Spring 1898. Tree a strong grower.
- 1136.—**Violet.** Planted Spring 1897. Tree a vigorous grower.
- 1137.—**Virginia Greening.** Planted Spring 1896. Tree a vigorous grower.
- 1138.—**Virginia Queen.** Planted Spring 1896. Tree a vigorous grower.
- 1139.—**Virginia Summer.** Planted Spring 1898. Tree a slow grower.

- 1140.—**Volga Anis.** Planted Spring 1894. Tree a vigorous grower. Fruit large, oblong. Skin green with a light pink blush on the sunny side. Flesh whitish, crisp, moderately juicy, of a pleasant, mildly acid character. Season August.
- 1141.—**Voronesh** (No. 9). Planted Spring 1893. Tree a vigorous grower.
- 1142.—**Voronesh** (FISK). In nursery.
- 1143.—**Voronesh** (NIEMETZ No. 5). In nursery.
- 1144.—**Wadhurst Pippin.** In nursery.
- 1145.—**Wagener.** Planted Spring 1893. Tree a vigorous grower, and an early and regular bearer. Fruit above medium size, roundish. Skin yellow, nearly covered with crimson and sprinkled with light dots. Flesh yellowish, juicy, with a brisk pleasant flavour, quality very good. Season November and December.
- 1146.—**Walbridge.** Planted Spring 1892. Tree a vigorous grower, but not very productive. Fruit of medium size, oblate, conical. Skin pale yellow, shaded with red. Flesh firm, juicy, white, sprightly, quality good. Season January and February.
- 1147.—**Walker's Seedling.** In nursery.
- 1148.—**Walter.** In nursery.
- 1149.—**Walton Abbey Seedling.** In nursery.
- 1150.—**Walworth Pippin.** Planted Spring 1895. Tree a vigorous grower.
- 1151.—**Wandering Spy.** Planted Spring 1896. Tree a vigorous grower.
- 1152.—**Warner's King.** Planted Spring 1890. Tree a vigorous grower, and a regular bearer. Fruit very large, roundish ovate. Skin yellow, with a few russet dots and patches. Flesh white, tender, crisp, sub-acid. A good cooking apple. Season November and December.
- 1153.—**Washington.** Planted Spring 1894. Tree a vigorous grower, and regular bearer. Fruit above medium size, oblate, conical. Skin greenish yellow, with a few splashes of red and a sprinkling of whitish dots. Flesh white, juicy, tender, crisp, mildly sub-acid, with a pleasant flavour, quality good. Season September.
- 1154.—**Washington Strawberry.** Planted Spring 1898. Tree a vigorous grower.
- 1155.—**Water.** Planted Spring 1898. Tree a vigorous grower.
- 1156.—**Watkins Seedling.** Planted Spring 1898. Tree a vigorous grower.
- 1157.—**Watterson.** Planted Spring 1895. Tree a vigorous grower.
- 1158.—**Watterson** (No. 4). Planted Spring 1895. Tree a vigorous grower.
- 1159.—**Waxen.** Planted Spring 1890. Tree a vigorous grower, and regular bearer. Fruit of medium size, roundish, slightly conical. Skin yellow, with a few dots. Flesh whitish, crisp, juicy, sprightly, quality good. Season November.
- 1160.—**Waxy Juicy.** Planted Spring 1893. Tree a medium grower. Fruit of medium size, oblate, conical. Skin greenish, with a little russet, and a dull reddish blush. Flesh yellow, crisp, a little coarse, sub-acid with an aromatic flavour, quality very good. Season October and November.
- 1161.—**Wealthy.** Planted Spring 1890. Tree a vigorous grower and a regular bearer. Fruit of medium size, roundish, oblate. Skin whitish yellow, nearly covered with rich crimson. Flesh white, crisp, fine grained, tender, juicy, sub-acid, quality good. Season October and November.
- 1162.—**Welch Seedling.** Planted Spring 1896. Tree a vigorous grower.
- 1163.—**Wellington.** Planted Spring 1890. Tree a vigorous grower and productive. Fruit of medium size or above medium, roundish. Skin yellow, with a pale blush, and sprinkled with brown dots. Flesh yellow, crisp, juicy, briskly acid, quality good. Season January to March.
- 1164.—**Western Beauty.** Planted Spring 1894. Tree a vigorous grower. Fruit large, roundish, oblate. Skin yellow, splashed with light and dark red, and sprinkled with gray dots. Flesh whitish, crisp, aromatic, mildly acid, quality good. Season September.
- 1165.—**Whennery's Late Red.** Planted Spring 1893. Tree a slow grower. Fruit of medium size or below medium, roundish, conical. Skin nearly covered with crimson. Flesh white, firm, not juicy, mildly sub-acid, quality good. Season January to March.
- 1166.—**White Cardinal.** Planted Spring 1896. Tree a vigorous grower. Fruit large flatish, tapering to eye. Skin yellowish white. Flesh white, coarse, crisp, sprightly, acid, quality medium. Season August.
- 1167.—**White Juneating.** In nursery.
- 1168.—**White Nonpareil.** In nursery.
- 1169.—**Whitman.** Planted Spring 1898. Tree a medium grower.
- 1170.—**White Winter Pearmain.** Planted Spring 1893. Tree a medium grower.
- 1171.—**White Pigeon.** Planted Spring 1895. Tree a strong grower.
- 1172.—**White Plikanoff.** In nursery.
- 1173.—**White Rosemary.** Planted Spring 1898. Tree a medium grower.
- 1174.—**White Transparent.** Planted Spring 1893. Tree a vigorous grower.
- 1175.—**William Penn.** In nursery.

- 1176.—**William's Early**. Planted Spring 1897. Tree a vigorous grower.
- 1177.—**Williams' Favourite**. Planted Spring 1894. Tree a vigorous grower. Fruit above medium size, oblong, conical. Skin bright red, with streaks and splashes of deep red. Flesh white, crisp, pleasant sub-acid, quality good. Season August.
- 1178.—**William Gladstone**. In nursery.
- 1179.—**William Anderson**. In nursery.
- 1180.—**Willow Twig**. Planted Spring 1892. Tree a vigorous but slender grower. Fruit above medium size, roundish, conical. Skin greenish yellow, shaded with dark red and sprinkled with grayish dots. Flesh greenish yellow, of a mild pleasant acid character, quality good. Season January and February.
- 1181.—**Windsor Chief**. Planted Spring 1896. Tree a strong grower.
- 1182.—**Winesap**. Planted Spring 1894. Tree a medium grower.
- 1183.—**Winter Bough**. In nursery.
- 1184.—**Winter Citron**. Planted Spring 1898. Tree a strong grower.
- 1185.—**Winter Fameuse**. In nursery.
- 1186.—**Winter Gold**. Planted Spring 1898. Tree a medium grower.
- 1187.—**Winter Golden**. In nursery.
- 1188.—**Winter Green**. Planted Spring 1896. Tree a vigorous grower.
- 1189.—**Winter Greening**. In nursery.
- 1190.—**Winter May**. Planted Spring 1896. Tree a medium grower. Fruit small, conical. Skin greenish yellow, with a dull red cheek. Flesh white, solid, not juicy, but mildly acid. Season February.
- 1191.—**Winter Peach**. In nursery.
- 1192.—**Winter Quarenden**. In nursery.
- 1193.—**Winter Queening**. In nursery.
- 1194.—**Winter Ribston**. In nursery.
- 1195.—**Winter Rambour**. Planted Spring 1895. Tree a vigorous grower.
- 1196.—**Winter St. Lawrence**. Planted Spring 1890. Tree a strong grower but not productive. Fruit of medium size, globular, a little conical. Skin green, striped and splashed with crimson. Flesh white, moderately juicy, crisp, mildly acid, with a rich aromatic flavour, quality good. Season December and January.
- 1197.—**Winter Sweet Paradise**. Planted Spring 1896. Tree a vigorous grower.
- 1198.—**Wisconsin Spy**. In nursery.
- 1199.—**Withington Fillbasket**. In nursery.
- 1200.—**Worcester Pearmain**. In nursery.
- 1201.—**Wolf River**. Planted Spring 1890. Tree a vigorous grower. Fruit very large, roundish, oblate. Skin yellowish white, with light and dark red over nearly the whole surface. Flesh white, juicy, rather coarse, mildly acid. A good cooking apple. Season November and December.
- 1202.—**Wyken Pippin**. Planted Spring 1894. Tree a vigorous grower. Fruit below medium size, oblate. Skin yellow with gray dots. Flesh yellowish, tender, juicy, nearly sweet, quality good. Season December.
- 1203.—**Wythe**. Planted Spring 1894. Tree a medium grower.
- 1204.—**Yates, Winter**. Planted Spring 1896. Tree a vigorous grower.
- 1205.—**Yellow Anis**. In nursery.
- 1206.—**Yellow Arkad**. In nursery.
- 1207.—**Yellow Belleflower**. Planted Spring 1890. Tree a strong grower, and regular bearer. Fruit above medium size, oblong, tapering to eye. Skin smooth, pale yellow, sometimes with a faint blush. Flesh yellowish, coarse, tender, juicy, pleasantly acid, quality good. Season December and January.
- 1208.—**Yellow Horse**. Planted Spring 1898. Tree a slow grower.
- 1209.—**Yellow Ingestre**. Planted Spring 1894. Tree a moderate grower and regular bearer. Fruit small, roundish. Skin bright yellow. Flesh yellow, tender, juicy, with a pleasant flavour, quality medium. Season October.
- 1210.—**Yellow Newtown Pippin**. Planted Spring 1894. Tree a vigorous grower.
- 1211.—**Yellow Transparent**. Planted Spring 1890. Tree a medium grower and regular bearer. Fruit above medium size, roundish inclining to conical. Skin pale yellow, with a sprinkling of grayish dots. Flesh whitish, coarse, tender, juicy, pleasantly sub-acid, quality very good. Season August and September.
- 1212.—**Yellow Voronesh**. In nursery.
- 1213.—**York Imperial**. Planted Spring 1892. Tree a vigorous but slender grower. Fruit of medium size, oblate. Skin whitish yellow, nearly overspread with crimson in the sun, and with a few grayish dots. Flesh yellowish, firm, crisp, juicy, sub-acid, quality medium. Season January to May.
- 1214.—**Yorkshire Beauty**. In nursery.
- 1215.—**Yorkshire Greening**. In nursery.
- 1216.—**Zolotoreff**. Planted Spring 1894. Tree a vigorous grower. Fruit very large, roundish oblate. Skin greenish white, with a pale blush on the sunny side. Flesh whitish, a little coarse, tender, juicy, sub-acid with a sprightly pleasant flavour, quality good. Season October.
- 1217.—**Zuzoff Winter**. Planted Spring 1895. Tree a vigorous grower.

CATALOGUE

OF

CRAB APPLES

- 1.—**Alaska.** Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblong, conical. Skin greenish white, splashed with dull pale red on the sunny side. Season October.
- 2.—**Brown Crab.** Planted Spring 1899. Tree a vigorous grower.
- 3.—**Chase's Jelly.** Planted Spring 1896. Tree a vigorous grower. Fruit of medium size. Skin greenish yellow, with a dull blush on the sunny side. Season early September.
- 4.—**Burgess.** In nursery.
- 5.—**Chickasaw.** Planted Spring 1896. Tree a vigorous grower. Fruit small, globular. Skin green, nearly covered with dull red. Season September.
- 6.—**Dartmouth.** Planted Spring 1892. Tree a vigorous grower.
- 7.—**Florence.** Planted Spring 1896. Tree a vigorous grower.
- 8.—**General Grant.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, roundish. Skin dark green, splashed and striped with dark red. Season September.
- 9.—**Golden Beauty.** Planted Spring 1896. Tree a strong grower.
- 10.—**Hyslop.** Planted Spring 1890. Tree a strong grower and productive. Fruit large, roundish, ovate. Skin dark rich red, with a blue bloom. Season September.
- 11.—**Hagloe.** In nursery.
- 12.—**Kentucky Red.** Planted Spring 1896. Tree a medium grower.
- 13.—**Lady Elgin.** Planted Spring 1896. Tree a strong grower. Fruit small. Skin yellow, nearly covered with pale red. Season September.
- 14.—**Marengo.** Planted Spring 1894. Tree a moderate grower. Fruit medium to large, roundish. Skin yellowish green, with red nearly over the whole surface. Season December.
- 15.—**Martha.** Planted Spring 1895. Tree a strong grower. Fruit above medium size. Skin clear yellow, nearly covered with bright red. Season October.
- 16.—**Minnesota.** In nursery.
- 17.—**Montreal Beauty.** Planted Spring 1891. Tree a vigorous grower. Fruit large, roundish. Skin bright yellow, nearly covered with bright red. Season September.
- 18.—**No. 3 Sweet.** Planted Spring 1895. Tree a moderate grower. Fruit of medium size, oval. Skin greenish white, with two shades of red over nearly the whole surface, and a bluish bloom. Season August.
- 19.—**Oblong.** Planted Spring 1896. Tree a vigorous grower. Fruit of medium size, oblong, conical. Skin pale yellow, splashed with bright red. Season October.
- 20.—**Ogilvie.** Planted Spring 1895. Tree a vigorous grower. Fruit above medium size, oblong, globular. Skin a warm yellow, with a pink blush. Season August.
- 21.—**Orange.** In nursery.
- 22.—**Paul's Imperial.** Planted Spring 1895. Tree a strong grower. Fruit above medium size, round, flatish. Colour yellowish white, nearly covered with purple and a bluish bloom. Season August.
- 23.—**Peach.** Planted Spring 1896. Tree a vigorous grower. Fruit of medium size, oblong. Skin greenish yellow, with a handsome blush. Season August.
- 24.—**Picta Striata.** In nursery.
- 25.—**Quaker Beauty.** Planted Spring 1895. Tree a strong grower.
- 26.—**Queen's Choice.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, round. Skin yellow, nearly covered with bright red. Season early August.
- 27.—**Rainbow.** Planted Spring 1900. Tree a strong grower.
- 28.—**Red Siberian.** Planted Spring 1894. Tree a strong grower. Fruit of medium size, round, flat. Skin smooth, yellow, covered with bright red. Season August.

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| <p>29.—Soulard. Planted Spring 1894. Tree a strong grower. Fruit of medium size, oblate. Skin clear yellow, with many green dots. Season October.</p> <p>30.—Sweet Spitzenburg. Planted Spring 1895. Tree a strong grower. Fruit small, globular. Skin whitish, streaked and splashed with red, sweet. Season October.</p> <p>31.—Transcendent. Planted Spring 1894. Tree a strong grower. Fruit of medium size, roundish, oblong. Skin golden with a bright red cheek, and a whitish bloom. Season September.</p> | <p>32.—Van Wyck. Planted Spring 1894. Tree a vigorous grower. Fruit large, yellow, with a light red cheek. Flesh sweet, tender. Season September.</p> <p>33.—White Arctic. In nursery.</p> <p>34.—Whitney. Planted Spring 1891. Tree a moderate grower. Fruit large. Skin smooth green, splashed with carmine. Season last of August.</p> <p>35.—Yates. In nursery.</p> <p>36.—Yellow Siberian. Planted Spring 1901. Tree a moderate grower. Fruit below medium size. Skin pale yellow, with a reddish blush. Season November.</p> |
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CATALOGUE

OF

PEARS

- 1.—**Admiral Cecile.** Planted Spring 1897. Tree a vigorous grower.
- 2.—**Alexandre Lambre.** In nursery.
- 3.—**Alexander Lucas.** In nursery.
- 4.—**Alexandrine Douillard.** Planted Spring 1897. Tree a medium grower.
- 5.—**Alexander Chomier.** In nursery.
- 6.—**America.** In nursery.
- 7.—**André Desportes.** Planted Spring 1895. Tree a vigorous grower.
- 8.—**Angleterre.** Planted Spring 1897. Tree a moderate grower.
- 9.—**Angleterre d'Hiver.** In nursery.
- 10.—**Anna Audisson.** In nursery.
- 11.—**Anne de Bretagne.** In nursery.
- 12.—**Anna Nelis.** Planted Spring 1897. Tree a medium grower.
- 13.—**Ansault.** Planted Spring 1894. Tree a vigorous grower.
- 14.—**Antoine Delfosse.** In nursery.
- 15.—**Apothecary Winter.** Planted Spring 1896. Tree a medium grower.
- 16.—**Armand Morelle.** Planted Spring 1890. Tree a vigorous grower and a regular bearer. Fruit medium to large, long pyriform. Skin pale yellow, with sometimes a reddish cheek. Flesh white, juicy, with a pleasant flavour. Season December.
- 17.—**Aromatic Winter.** Planted Spring 1897. Tree a strong grower.
- 18.—**Ascension.** Planted Spring 1897. Tree a vigorous grower.
- 19.—**Aspasia d'Ancourt.** In nursery.
- 20.—**Aston Town.** Planted Spring 1893. Tree a medium grower and productive. Fruit small, roundish, turbinate. Skin greenish yellow, with russet and many brown dots. Flesh white, moderately juicy, sweet, not high flavoured. Season September.
- 21.—**Auguste Royer.** In nursery.
- 22.—**Augustus Dana.** Planted Spring 1899. Tree a vigorous grower.
- 23.—**Avocat Tonnelier.** In nursery.
- 24.—**Baba.** In nursery.
- 25.—**Barillet.** Planted Spring 1897. Tree a medium grower.
- 26.—**Baron.** Planted Spring 1897. Tree a medium grower.
- 27.—**Baron de Caters.** In nursery.
- 28.—**Baronne de Mello.** Planted Spring 1897. Tree a medium grower.
- 29.—**Baronne Leroy.** In nursery.
- 30.—**Bartlett.** Planted Spring 1890. Tree a thrifty grower and moderately productive. Fruit large, oblong, pyriform. Skin smooth clear yellow, with a blush on the sunny side. Flesh white, juicy, buttery, and of very fine flavour. Season August and September.
- 31.—**Beacon.** Planted Spring 1897. Tree a moderate grower.
- 32.—**Bearnaise.** Planted Spring 1897. Tree a vigorous grower.
- 33.—**Beau present d'Artois.** In nursery.
- 34.—**Beau present d'Espagne.** Planted Spring 1895. Tree a vigorous grower. Fruit of medium size. Skin greenish yellow. Flesh white, juicy, rather gritty and astringent. Season August.
- 35.—**Belle Angevine.** Planted Spring 1897. Tree a vigorous grower.
- 36.—**Belle des Abrès.** Planted Spring 1897. Tree a medium grower.
- 37.—**Belle de Beaufort.** Planted Spring 1897. Tree a medium grower.
- 38.—**Belle de Stresa.** In nursery.
- 39.—**Belle Julie.** In nursery.

- 40.—**Belle Lucrative.** Planted Spring 1893. Tree a strong grower. Fruit of medium size, obtuse, pyriform. Skin yellowish green, with a little russet. Flesh soft, moderately juicy, not very high flavoured. Season September.
- 41.—**Bellissime d'Hiver.** In nursery.
- 42.—**Bergamot d'Esperen.** Planted Spring 1895. Tree a vigorous grower.
- 43.—**Bergamot d'Ete.** In nursery.
- 44.—**Bergamot Hertrich.** In nursery.
- 45.—**Bergamot La Gantoise.** In nursery.
- 46.—**Bergamot Liabaud.** In nursery.
- 47.—**Bergamot Philippot.** In nursery.
- 48.—**Besi Césarine.** In nursery.
- 49.—**Besi de Saint Waast.** In nursery.
- 50.—**Besi de La Motte.** Planted Spring 1897. Tree a vigorous grower.
- 51.—**Besi des veterans.** In nursery.
- 52.—**Bessemianka.** Planted Spring 1890. Tree a strong grower and productive. Fruit below medium size, obtuse, ovate. Skin yellowish green, freely sprinkled with gray dots. Flesh soft, not juicy, fine grained, sweet, but not high flavoured. Season September.
- 53.—**Beurre Amande.** Planted Spring 1897. Tree a vigorous grower.
- 54.—**Beurre Bachelier.** Planted Spring 1897. Tree a vigorous grower.
- 55.—**Beurre Baltet Pere.** Planted Spring 1894. Tree a poor grower.
- 56.—**Beurre Benoist.**—Planted Spring 1894. Tree a slow grower.
- 57.—**Beurre Beucke.** Planted Spring 1896. Tree a vigorous grower.
- 58.—**Beurre Bosc.** Planted Spring 1892. Tree a medium grower.
- 59.—**Beurre Brown.** Planted Spring 1896. Tree a poor grower.
- 60.—**Beurre Chaudy.** Planted Spring 1896. Tree a vigorous grower.
- 61.—**Beurre Clairgeau.** Planted Spring 1890. Tree a vigorous grower and a free producer. Fruit large, pyriform. Skin yellow, with a warm blush, and sprinkled with russet dots. Flesh yellowish, juicy, buttery, sweet, of fair quality. Season October and November.
- 62.—**Beurre Coloma.** Planted Spring 1896. Tree a vigorous grower.
- 63.—**Beurre Dalbret.** In nursery.
- 64.—**Beurre Dubisson.** Planted Spring 1896. Tree a medium grower.
- 65.—**Beurre d'Amanlis.** Planted Spring 1893. Tree a medium grower. Fruit of medium size, obovate. Skin yellowish green, with a bronze red cheek and sprinkled with brown dots. Flesh yellowish, coarse juicy, buttery, slightly astringent. Season September.
- 66.—**Beurre d'Amanlis Panache.** In nursery.
- 67.—**Beurre d'Angleterre.** Planted Spring 1896. Tree a vigorous grower.
- 68.—**Beurre d'Anjou.** Planted Spring 1890. Tree a vigorous grower. Fruit large, obtuse pyriform. Skin greenish with a little russet. Flesh white, juicy, melting with a fine flavour. Season October.
- 69.—**Beurre d'Apremont.** In nursery.
- 70.—**Beurre d'Aremberg.** Planted Spring 1896. Tree a poor grower.
- 71.—**Beurre d'Arlon.** In nursery.
- 72.—**Beurre d'Assomption.** Planted Spring 1897. Tree a strong grower.
- 73.—**Beurre d'Aubitch.** Planted Spring 1898. Tree a strong grower.
- 74.—**Beurre d'Avalon.** In nursery.
- 75.—**Beurre du Buisson.** In nursery.
- 76.—**Beurre de Bollwiller.** In nursery.
- 77.—**Beurre de Capiaumont.** Planted Spring 1893. Tree a vigorous grower. Fruit of medium size, pyriform. Skin yellow with a reddish cheek. Flesh fine grained, buttery, slightly astringent. Season September and October.
- 78.—**Beurre de Courtrai.** In nursery.
- 79.—**Beurre d'Hardenpont Panache.** In nursery.
- 80.—**Beurre de Johnge.** In nursery.
- 81.—**Beurre de La Cour.** In nursery.
- 82.—**Beurre de Livonie.** Planted Spring 1895. Tree a strong grower.
- 83.—**Beurre de Lucon.** In nursery.
- 84.—**Beurre de Nivelles.** In nursery.
- 85.—**Beurre de Rouan.** Planted Spring 1899. Tree a strong grower.
- 86.—**Beurre de Wetteren.** In nursery.
- 87.—**Beurre Diel.** Planted Spring 1890. Tree a strong grower. Fruit large, obtuse, pyriform. Skin yellow. Flesh yellowish, a little coarse, juicy, sweet and pleasant. Season October and November.
- 88.—**Beurre Diel panache.** In nursery.
- 89.—**Beurre Dilly.** In nursery.
- 90.—**Beurre Dumont.** Planted Spring 1898. Tree a medium grower.
- 91.—**Beurre Easter.** Planted Spring 1890. Tree a strong grower, but not productive.
- 92.—**Beurre Fouqueray.** In nursery.

- 93.—**Beurre Gambier.** In nursery.
- 94.—**Beurre de Ghelin.** Planted Spring 1898. Tree a strong grower.
- 95.—**Beurre Giffard.** Planted Spring 1893. Tree a moderate grower. Fruit of medium size, pyriform, tapering to stem. Skin greenish yellow, with patches of red on the sunny side. Flesh white, juicy, melting, with a pleasant vinous flavour. Season August.
- 96.—**Beurre Gilles.** In nursery.
- 97.—**Beurre Goubault.** In nursery.
- 98.—**Beurre Gris d'Hiver.** Planted Spring 1896. Tree a vigorous grower.
- 99.—**Beurre Gris d'Hiver Nouveau.** In nursery.
- 100.—**Beurre Hardy.** Planted Spring 1890. Tree a vigorous grower. Fruit large, obtuse, pyriform. Skin greenish, with light russet, and a dull red cheek. Flesh buttery, juicy, with a brisk, pleasant flavour, slightly astringent, quality good. Season October.
- 101.—**Beurre Jean Van Geert.** In nursery.
- 102.—**Beurre Ladé.** Planted Spring 1897. Tree a vigorous grower.
- 103.—**Beurre Lebrun.** In nursery.
- 104.—**Beurre Lenzen.** Planted Spring 1898. Tree a strong grower.
- 105.—**Beurre Leon Rey.** In nursery.
- 106.—**Beurre Luizet.** In nursery.
- 107.—**Beurre Millet.** In nursery.
- 108.—**Beurre Montica.** In nursery.
- 109.—**Beurre Mortillet.** Planted Spring 1897. Tree a medium grower.
- 110.—**Beurre Oudinot.** In nursery.
- 111.—**Beurre Perpetual.** Planted Spring 1899. Tree a strong grower.
- 112.—**Beurre Perrault.** In nursery.
- 113.—**Beurre Quéfier.** In nursery.
- 114.—**Beurre Rance.** Planted Spring 1894. Tree a poor grower.
- 115.—**Beurre Romain.** Planted Spring 1897. Tree a vigorous grower.
- 116.—**Beurre Rome Ganyard.** In nursery.
- 117.—**Beurre Six.** Planted Spring 1897. Tree a strong grower.
- 118.—**Beurre Sterkmans.** In nursery.
- 119.—**Beurre Suddall.** Planted Spring 1890. Tree a moderate grower.
- 120.—**Beurre Superfin.** Planted Spring 1891. Tree a moderate grower.
- 121.—**Beurre Ulmer.** Planted Spring 1897. Tree a strong grower.
- 122.—**Beurre Van Driessche.** Planted Spring 1897. Tree a strong grower.
- 123.—**Beurre Vital.** Planted Spring 1897. Tree a strong grower.
- 124.—**Beurre Von Kratish.** Planted Spring 1897. Tree a strong grower.
- 125.—**Blakeny Red.** In nursery.
- 126.—**Blanquet.** In nursery.
- 127.—**Boisbunel's Flask.** Planted Spring 1897. Tree a strong grower.
- 128.—**Bon Chrétien d'Espagne.** In nursery.
- 129.—**Bon Chrétien d'Été.** In nursery.
- 130.—**Bon Chrétien d'Hiver.** In nursery.
- 131.—**Bon Chrétien Fred. Beaudry.** Planted Spring 1895. Tree a strong grower.
- 132.—**Bon Chrétien (No. 15).** Planted Spring 1895. Tree a strong grower.
- 133.—**Bonne d'Ezée.** Planted Spring 1897. Tree a strong grower.
- 134.—**Bonneserre de Saint Denis.** In nursery.
- 135.—**Bordeaux.** Planted Spring 1895. Tree a vigorous grower.
- 136.—**Borland.** In nursery.
- 137.—**Boutoc.** In nursery.
- 138.—**Brandywine.** Planted Spring 1891. Tree a strong grower. Fruit of medium size, pyriform. Skin yellowish green, sprinkled with russet. Flesh white, juicy, aromatic and of fine flavour. Season last of August.
- 139.—**Bretonneau.** In nursery.
- 140.—**Briffaut.** Planted Spring 1897. Tree a strong grower.
- 141.—**Brockworth Park.** Planted Spring 1897. Tree a strong grower.
- 142.—**Bronze Duchess.** Planted Spring 1897. Tree a strong grower.
- 143.—**B. S. Fox.** Planted Spring 1894. Tree a vigorous grower.
- 144.—**Buffum.** Planted Spring 1890. Tree a strong grower, but a shy bearer. Fruit of medium size, obovate. Skin greenish yellow, with a reddish cheek and sprinkled with brown dots. Flesh white, buttery, not juicy, quality medium. Season September.
- 145.—**Butt.** In nursery.
- 146.—**Calebasse Abbé Fetel.** In nursery.
- 147.—**Calebasse Oberdieck.** In nursery.
- 148.—**Calebasse Tougard.** Planted Spring 1897. Tree a strong grower.
- 149.—**Calebasse Bosc.** Planted Spring 1897. Tree a strong grower.
- 150.—**Calixte Mignot.** Planted Spring 1897. Tree a strong grower.
- 151.—**Calouet.** In nursery.
- 152.—**Calvin.** Planted Spring 1896. Tree a strong grower.

- 153.—**Casteline.** In nursery.
- 154.—**Catillac.** Planted Spring 1893. Tree a fine grower. Fruit very large, turbinate. Skin pale yellow, with brown dots and a reddish cheek. Flesh hard and gritty, a cooking pear. Season November to March.
- 155.—**Cavalier de La Salle.** In nursery.
- 156.—**Certeau d'Automne.** In nursery.
- 157.—**Charles Cognée.** Planted Spring 1897. Tree a medium grower.
- 158.—**Charles Ernest.** Planted Spring 1896. Tree a medium grower.
- 159.—**Charneau.** Planted Spring 1896. Tree a vigorous grower.
- 160.—**Chaumontel.** Planted Spring 1893. Tree a strong grower. Fruit above medium size, pyriform. Skin yellowish green, with a reddish cheek and sprinkled with russet dots. Flesh yellowish, buttery, not of high quality. Season November and December.
- 161.—**Chinese d'Eugary.** Planted Spring 1899. Tree a strong grower.
- 162.—**Citron des Carmes.** In nursery.
- 163.—**Clapp's Favourite.** Planted Spring 1890. Tree a strong grower and productive. Fruit large, obtuse, pyriform. Skin yellow, with a faint blush and sprinkled with brown dots. Flesh white, fine grained, juicy, buttery, rich, sweet, quality very good. Season September.
- 164.—**Clapp's Seedling.** Planted Spring 1896. Tree a strong grower.
- 165.—**Claude Blanchet.** Planted Spring 1896. Tree a poor grower.
- 166.—**Cole's Seedless.** Planted Spring 1893. Tree a strong grower.
- 167.—**Colmar d'Aremberg.** Planted Spring 1893. Tree a medium grower.
- 168.—**Colmar d'Été.** Planted Spring 1893. Tree a medium grower. Fruit of medium size, roundish, pyriform. Skin greenish yellow, sprinkled with grayish dots and sometimes with a reddish blush in the sun. Flesh white, rather coarse, quality medium. Season September.
- 169.—**Colmar de Marnix.** In nursery.
- 170.—**Colmar Dumortier.** Planted Spring 1896. Tree a strong grower.
- 171.—**Colmar Nelis.** In nursery.
- 172.—**Col. Wilder.** Planted Spring 1893. Tree a vigorous grower.
- 173.—**Colorée de Juillet.** In nursery.
- 174.—**Comet.** Planted Spring 1894. Tree a moderate grower.
- 175.—**Comte de Chambord.** In nursery.
- 176.—**Comte de Flandre.** In nursery.
- 177.—**Comte de Lamy.** Planted Spring 1898. Tree a strong grower. Fruit below medium size. Skin yellow with a reddish cheek and small patches of russet. Flesh white, fine grained, buttery, sweet, quality good. Season September.
- 178.—**Comte de Lambertye.** In nursery.
- 179.—**Comte Lelieur.** In nursery.
- 180.—**Conference (RIVERS).** In nursery.
- 181.—**Counseiller de la Cour.** Planted Spring 1893. Tree a strong grower. Fruit large, oblong, pyriform. Flesh yellowish, juicy, melting, sweet. Season September.
- 182.—**Constante Lesueur.** In nursery.
- 183.—**Court queue d'Hiver.** In nursery.
- 184.—**Cowsfoot.** Planted Spring 1896. Tree a strong grower.
- 185.—**Crassane.** In nursery.
- 186.—**Crassane d'Automne.** Planted Spring 1896. Tree a medium grower.
- 187.—**Dana's Hovey.** Planted Spring 1894. Tree a strong grower.
- 188.—**D'Amour.** In nursery.
- 189.—**Dearborn's Seedling.** Planted Spring 1890. Tree a strong grower and a regular bearer. Fruit small, roundish, pyriform. Skin smooth, light yellow. Flesh white, juicy, melting, sweet, quality good. Season last of August.
- 190.—**De Cure.** In nursery.
- 191.—**Delices Cuvelier.** In nursery.
- 192.—**Delices de Huy.** In nursery.
- 193.—**Delices de Jodoigne.** Planted Spring 1896. Tree a strong grower.
- 194.—**Delices de Lowenyoul.** Planted Spring 1891. Tree a medium grower.
- 195.—**Delices Everard.** In nursery.
- 196.—**Delisse.** In nursery.
- 197.—**De Livre.** In nursery.
- 198.—**De Spoelberg.** In nursery.
- 199.—**De Tongres.** Planted Spring 1893. Tree a strong grower and an early and constant bearer. Fruit above medium size, pyriform. Skin greenish yellow, nearly covered with cinnamon russet and with a reddish cheek on the sunny side. Flesh white, juicy, fine, rich, sweet. Season October.
- 200.—**De Torpes.** In nursery.
- 201.—**Dempsey.** Planted Spring 1890. Tree a vigorous and upright grower, but a shy producer. Fruit large, oblong, pyriform. Skin greenish yellow. Flesh white, juicy, melting, sweet, of fine quality. Season October.
- 202.—**Dempsey's 100.** In nursery.
- 203.—**Dewey's Premium.** Planted Spring 1894. Tree a strong grower.

- 204.—**Diel's August.** Planted Spring 1896. Tree a strong grower.
- 205.—**Directeur Alphaude.** Planted Spring 1898. Tree a vigorous grower. Fruit large, obtuse pyriform. Skin greenish yellow, sprinkled with gray dots. Flesh white, a little coarse, juicy, sweet. Season January.
- 206.—**Directeur Hardy.** In nursery.
- 207.—**Directeur Varenne.** In nursery.
- 208.—**Dithmarsh.** Planted Spring 1896. Tree a strong grower.
- 209.—**Dr. Desportes.** In nursery.
- 210.—**Dr. Jules Guyot.** Planted Spring 1893. Tree a medium grower and an early and constant bearer. Fruit large, pyriform. Skin clear yellow, with sometimes a faint blush on the sunny side. Flesh white, juicy, buttery, melting, quality very good. Season September.
- 211.—**Dr. Gromier.** Planted Spring 1896. Tree a strong grower.
- 212.—**Dr. Lucien.** Planted Spring 1893. Tree a vigorous grower.
- 213.—**Double Beur.** In nursery.
- 214.—**Donillard.** Planted Spring 1896. Tree a strong grower.
- 215.—**Doyenne Dillon.** In nursery.
- 216.—**Doyenne Boissard.** In nursery.
- 217.—**Doyenne Boisselot.** In nursery.
- 218.—**Doyenne Boussock.** Planted Spring 1890. Tree a vigorous grower and a medium bearer. Fruit very large, roundish, pyriform. Skin rough, yellow, with a covering of russet and a reddish blush in the sun. Flesh white, juicy, melting, buttery, sweet, aromatic, quality good. Season September and October.
- 219.—**Doyenne d'Alençon.** Planted Spring 1893. Tree a strong grower. Fruit of medium size, roundish, oval, nearly pyriform. Skin rough, yellow, with a dull red cheek, and patches of russet. Flesh a little granular, sweet, juicy, buttery, with a pleasant flavour. Season December and January.
- 220.—**Doyenne du Comice.** Planted Spring 1893. Tree a strong grower.
- 221.—**Doyenne du Comice panache.** In nursery.
- 222.—**Doyenne d'Été.** Planted Spring 1890. Tree a strong grower but only moderately productive. Fruit small, roundish, pyriform. Skin smooth yellow, with a blush and sprinkled with gray dots. Flesh white, melting, juicy, sweet and of pleasant flavour. Season July.
- 223.—**Doyenne d'Hiver.** In nursery.
- 224.—**Doyenne de Montjean.** In nursery.
- 225.—**Doyenne Flon Ainé.** In nursery.
- 226.—**Doyenne Guillard.** In nursery.
- 227.—**Doyenne Madame Corneau.** In nursery.
- 228.—**Doyenne Madame Th. Levavasseur.** In nursery.
- 229.—**Duke de Nemours.** In nursery.
- 230.—**Duchesse d'Angoulême.** Planted Spring 1890. Tree a strong grower and free bearer. Fruit large, oblong, pyriform. Skin greenish yellow. Flesh white, juicy, buttery, quality good. Season October.
- 231.—**Duchesse d'Angoulême Bronze.** Planted Spring 1897. Tree a strong grower.
- 232.—**Duchesse de Bordeaux.** Planted Spring 1897. Tree a strong grower.
- 233.—**Duchesse de Brissac.** In nursery.
- 234.—**Duchesse d'Orléans.** Planted Spring 1897. Tree a strong grower.
- 235.—**Duchesse Elsa.** In nursery.
- 236.—**Duchesse Precocé.** Planted Spring 1897. Tree a strong grower.
- 237.—**Duhamel du Monceau.** Planted Spring 1894. Tree a strong grower. Fruit of medium size, roundish, pyriform. Skin pale greenish yellow, with a reddish cheek and sprinkled with russet dots. Flesh whitish, fine grained, sweet, juicy, with a pleasant flavour, quality good. Season October.
- 238.—**Dula Medvedovka.** Planted Spring 1890. Tree a strong grower and free producer. Fruit below medium size. Skin yellowish green. Flesh whitish, coarse, not juicy, quality poor. Season early August.
- 239.—**Dvinnoe Solovieff.** In nursery.
- 240.—**Early Bergamot.** Planted Spring 1896. Tree a strong grower. Fruit small, turbinate. Skin yellow with a few brown dots. Flesh yellowish, buttery, not very juicy, sweet, slightly aromatic. Season September.
- 241.—**Early Duchess.** Planted Spring 1896. Tree a strong grower.
- 242.—**Early Madeleine.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, pyriform. Skin greenish yellow. Flesh white, not very juicy, soft, quality poor. Season early August.
- 243.—**Edmunds.** Planted Spring 1896. Tree a medium grower.
- 244.—**Elliott's Early.** Planted Spring 1897. Tree a strong grower.
- 245.—**Ellis.** In nursery.
- 246.—**Emile d'Heyst.** Planted Spring 1894. Tree a medium grower. Fruit large, oblong, pyriform. Skin greenish yellow, with many russet dots. Flesh yellowish white, fine grained, juicy, sweet and of pleasant flavour, quality good. Season November.

- 247.—**Enfant Nantais**. In nursery.
- 248.—**Epargne**. In nursery.
- 249.—**Epine d'Été**. Planted Spring 1894. Tree a medium grower.
- 250.—**Epine Dumas**. In nursery.
- 251.—**Espérine**. Planted Spring 1896. Tree a strong grower.
- 252.—**Eugène**. Planted Spring 1898. Tree a medium grower.
- 253.—**Exeglovka**. Planted Spring 1894. Tree a strong grower.
- 254.—**Exeter**. In nursery.
- 255.—**Favourite Morel**. In nursery.
- 256.—**Ferdinand Gaillard**. In nursery.
- 257.—**Fertility**. Planted Spring 1893. Tree a medium grower and a free bearer. Fruit of medium size, obovate, pyriform. Skin yellow, with a blush on sunny side. Flesh whitish, juicy, melting, with a pleasant flavour. Season last of September.
- 258.—**Figue d'Alençon**. Planted Spring 1895. Tree a medium grower.
- 259.—**Fitzwater**. Planted Spring 1896. Tree a vigorous grower.
- 260.—**Flat Bergamot**. In nursery.
- 261.—**Flemish Beauty**. Planted Spring 1890. Tree a strong grower, but not a free bearer. Fruit large, obtuse, pyriform. Skin pale yellow, with patches of russet. Flesh yellowish white, a little coarse, juicy, sweet and rich. Season October.
- 262.—**Fondante de Bihore**. Planted Spring 1896. Tree a strong grower.
- 263.—**Fondante de Ledeborg**. In nursery.
- 264.—**Fondante de Noël**. In nursery.
- 265.—**Fondante du Panisel**. In nursery.
- 266.—**Fondante Fougère**. In nursery.
- 267.—**Forelle**. Planted Spring 1895. Tree a strong grower.
- 268.—**Fortunée**. In nursery.
- 269.—**Fortunée Boisselot**. In nursery.
- 270.—**Franc-réal**. In nursery.
- 271.—**François Binot**. In nursery.
- 272.—**Frederick Clapp**. Planted Spring 1892. Tree a medium grower.
- 273.—**Frederick of Wurtemberg**. In nursery.
- 274.—**Fulton**. Planted Spring 1899. Tree a strong grower.
- 275.—**Fulvie**. Planted Spring 1896. Tree a medium grower.
- 276.—**Gans**. Planted Spring 1896. Tree a strong grower.
- 277.—**Gakovka**. Planted Spring 1894. Tree a strong grower.
- 278.—**Gansel's Bergamot**. Planted Spring 1893. Tree a strong grower. Fruit large, roundish, obovate, flattened. Skin yellowish brown and sprinkled with russet. Flesh white, melting, juicy, sweet and rich. Season September.
- 279.—**Gansel's Seckel**. In nursery.
- 280.—**Garber**. Planted Spring 1892. Tree a strong grower.
- 281.—**Gaston du Puis**. Planted Spring 1896. Tree a medium grower.
- 282.—**Gendron**. In nursery.
- 283.—**General Tottleben**. Planted Spring 1893. Tree a strong grower. Fruit large, obovate, pyriform. Skin greenish yellow, with many russet dots, stem 2 to 2½ in. long. Flesh yellowish, rather coarse, moderately juicy, but not high flavoured. Season December to January.
- 284.—**German Bergamot**. Planted Spring 1896. Tree a strong grower.
- 285.—**Gliva Kurskaya**. Planted Spring 1890. Tree a strong grower, and free bearer. Fruit medium to small, ovate. Skin yellowish green, sprinkled with gray dots. Flesh soft, quality poor. Season August.
- 286.—**Glou Morceau**. Planted Spring 1893. Tree a medium grower.
- 287.—**Goat-herd**. Planted Spring 1896. Tree a strong grower.
- 288.—**Goodale**. Planted Spring 1890. Tree a strong grower. Fruit above medium size, oblong, pyriform. Skin pale yellow, with a little red in the sun. Flesh white, juicy, sweet, rather gritty. Season October.
- 289.—**Graslin**. In nursery.
- 290.—**Gratioli of Jersey**. Planted Spring 1893. Tree a strong grower. Fruit of medium size, obovate, pyriform. Skin yellowish green, with patches of russet. Flesh white, juicy, melting, with a pleasant flavour. Season September.
- 291.—**Green Magdalen**. Planted Spring 1896. Tree a medium grower.
- 292.—**Green Table**. Planted Spring 1896. Tree a medium grower.
- 293.—**Gregoire**. In nursery.
- 294.—**Gregoire Boindillon**. In nursery.
- 295.—**Grumkower**. Planted Spring 1896. Tree a strong grower.
- 296.—**Hacon's Incomparable**. Planted Spring 1893. Tree a medium grower.
- 297.—**Hellman's Melon**. Planted Spring 1896. Tree a strong grower.
- 298.—**Henri Courcelles**. Planted Spring 1896. Tree a medium grower.
- 299.—**Henri de Bourbon**. In nursery.
- 300.—**Henri Ledocte**. In nursery.
- 301.—**Henzener**. Planted Spring 1896. Tree a medium grower.

- 302.—**Herauld's Bergamot.** Planted Spring 1896. Tree a strong grower.
- 303.—**Herren.** Planted Spring 1896. Tree a vigorous grower.
- 304.—**Hessel.** Planted Spring 1893. Tree a medium grower and an early and free bearer. Fruit small, obovate. Skin yellowish green, with patches of brown russet and many brown dots. Flesh white, buttery, sweet. Season September.
- 305.—**Heyst d'Angers.** In nursery.
- 306.—**Holland Fig.** Planted Spring 1896. Tree a strong grower.
- 307.—**Honey.** Planted Spring 1894. Tree a strong grower.
- 308.—**Hohensaten.** Planted Spring 1896. Tree a medium grower.
- 309.—**Hoosie.** Planted Spring 1894. Tree a vigorous grower.
- 310.—**Howell.** Planted Spring 1890. Tree a strong grower and a constant bearer. Fruit large, roundish, pyriform. Skin light yellow, with a reddish cheek and sprinkled with russet dots. Flesh white, juicy, melting and briskly vinous. Season October.
- 311.—**Hutcherson.** Planted Spring 1899. Tree a strong grower.
- 312.—**Huyshe's Bergamot.** Planted Spring 1893. Tree a strong grower.
- 313.—**Hyacinth.** Planted Spring 1896. Tree a strong grower.
- 314.—**Idaho.** Planted Spring 1891. Tree a strong grower. Fruit medium to large, roundish, skin green. Flesh woody, quality poor. Season September.
- 315.—**Inconnue.** In nursery.
- 316.—**I. X. L. (Budd).** Planted Spring 1894. Tree a strong grower.
- 317.—**Jacobs' Beurre.** Planted Spring 1896. Tree a medium grower. Fruit of medium size, oblong, pyriform. Skin orange yellow, with a red cheek and many gray dots. Flesh white, not juicy, coarse, quality medium. Season August.
- 318.—**Jalousie de Fontenay.** In nursery.
- 319.—**Jamiette.** In nursery.
- 320.—**Japan Golden Russet.** Planted Spring 1893. Tree a vigorous and upright grower. Fruit below medium size, oval. Skin greenish russet, with many gray dots. Flesh white, juicy, firm, flavour peculiar, not specially pleasant. Season October and November.
- 321.—**Jargonelle.** Planted Spring 1893. Tree a strong grower. Fruit of medium size, long, pyriform. Skin greenish yellow, with a little dull red on the sunny side. Flesh yellowish white, juicy, not fine grained, is apt to rot at the core. Season August.
- 322.—**Jean de Witte.** Planted Spring 1899. Tree a strong grower.
- 323.—**Jones' Seedling.** Planted Spring 1894. Tree a strong grower.
- 324.—**Joséphine de Binche.** In nursery.
- 325.—**Joséphine de Malines.** Planted Spring 1892. Tree a medium grower. Fruit of medium size, roundish, oblate. Skin greenish yellow, with a little russet and many brown dots. Flesh white, juicy, melting, sweet, quality very good. Season January.
- 326.—**Jules d'Airoles.** In nursery.
- 327.—**July Doyenne.** Planted Spring 1896. Tree a strong grower.
- 328.—**Justine.** In nursery.
- 329.—**Katzinkop.** Planted Spring 1896. Tree a strong grower.
- 330.—**Keiffer.** Planted Spring 1890. Tree a strong grower and an early and regular bearer. Fruit of medium size, oval, tapering to both ends. Skin yellow and with many brown dots. Flesh white, coarse, juicy, not high flavoured, quality medium or below medium. Season October.
- 331.—**King Charles of Wurtemberg.** Planted Spring 1896. Tree a strong grower.
- 332.—**King Edward.** In nursery.
- 333.—**King Sobieski.** Planted Spring 1896. Tree a strong grower.
- 334.—**Kipp's Seedling.** Planted Spring 1899. Tree a strong grower.
- 335.—**Knaus.** Planted Spring 1896. Tree a strong grower.
- 336.—**Knight's Harvest.** Planted Spring 1896. Tree a medium grower.
- 337.—**Knight's Monarch.** Planted Spring 1893. Tree a medium grower and productive. Fruit of medium size. Skin yellowish green. Flesh white, juicy, buttery, sweet. Season December to March.
- 338.—**Koolstock.** Planted Spring 1896. Tree a strong grower.
- 339.—**Koonce.** In nursery.
- 340.—**Kopertscher.** Planted Spring 1896. Tree a strong grower.
- 341.—**Kratish.** Planted Spring 1896. Tree a strong grower.
- 342.—**La Belle Ruth.** Planted Spring 1895. Tree a strong grower.
- 343.—**Lady Clapp.** Planted Spring 1894. Tree a strong grower.
- 344.—**La France.** Planted Spring 1895. Tree a strong grower. Fruit of medium size, obtuse, pyriform. Skin green, sprinkled with small gray dots. Flesh white, juicy, buttery, sweet, and of fine flavour. Season September.

- 345.—**Late Crassane.** Planted Spring 1896. Tree a strong grower.
- 346.—**Late Green.** Planted Spring 1896. Tree a medium grower.
- 347.—**Lawrence.** Planted Spring 1890. Tree a moderate grower. Fruit of medium size, obtuse, pyriform. Skin yellow, with patches of russet and many russet dots. Flesh whitish, juicy, melting, sweet, with a pleasant flavour. Season November.
- 348.—**Le Conte.** Planted Spring 1890. Tree a vigorous grower and free bearer. Fruit of medium size, bell shaped. Skin pale yellow. A handsome cooking pear.
- 349.—**Le Czar.** In nursery.
- 350.—**Léon Grégoire.** Planted Spring 1900. Tree a strong grower.
- 351.—**Léon Leclerc.** In nursery.
- 352.—**Leipsic Radish.** Planted Spring 1896. Tree a strong grower.
- 353.—**Le Lectier.** Planted Spring 1896. Tree a strong grower.
- 354.—**Lemonay.** Planted Spring 1894. Tree a strong grower.
- 355.—**Lemon Kharkoff.** Planted Spring 1894. Tree a strong grower.
- 356.—**Lesueur.** Planted Spring 1896. Tree a moderate grower.
- 357.—**Lieut. Poidevin.** In nursery.
- 358.—**Lincoln Coreless.** Planted Spring 1899. Tree a free grower.
- 359.—**Lincoln of Illinois.** Planted Spring 1899. Tree a strong grower.
- 360.—**Longland.** In nursery.
- 361.—**Longworth.** Planted Spring 1900. Tree a medium grower.
- 362.—**Loriel de Barney.** Planted Spring 1896. Tree a strong grower.
- 363.—**Louise Bonne de Jersey.** Planted Spring 1890. Tree a vigorous grower and productive. Fruit of medium size, oblong, pyriform. Skin pale green with a dull red cheek in the sun. Flesh greenish white, juicy, melting, flavour rich. Season September and October.
- 364.—**Louise Bonne Sannier.** In nursery.
- 365.—**Louise d'Avranches.** Planted Spring 1896. Tree a vigorous grower.
- 366.—**Louise Vilmorin.** Planted Spring 1896. Tree a strong grower.
- 367.—**Lucien Chaire.** Planted Spring 1896. Tree a medium grower.
- 368.—**Lucy Duke.** Planted Spring 1893. Tree a strong grower.
- 369.—**Luizet.** Planted Spring 1896. Tree a strong grower.
- 370.—**Madame Baltet.** In nursery.
- 371.—**Madame Bonnefond.** In nursery.
- 372.—**Madame Chaudy.** In nursery.
- 373.—**Madame du Puis.** In nursery.
- 374.—**Madame Eliza.** In nursery.
- 375.—**Madame Favre.** Planted Spring 1896. Tree a medium grower.
- 376.—**Madame Flon Aîné.** In nursery.
- 377.—**Madame Grégoire.** In nursery.
- 378.—**Madame Hemmingway.** Planted Spring 1894. Tree a strong grower.
- 379.—**Madame Hutin.** In nursery.
- 380.—**Madame Lye Baltet.** In nursery.
- 381.—**Madame Rosseels.** In nursery.
- 382.—**Madame Treyve.** Planted Spring 1893. Tree a medium grower. Fruit of medium size, obtuse, obovate, pyriform. Skin green with a small bronze cheek and sprinkled with gray dots. Flesh white, melting, juicy, sweet, with a rich pleasant flavour. Season September.
- 383.—**Madame Verte.** Planted Spring 1896. Tree a medium grower.
- 384.—**Magnate.** Planted Spring 1893. Tree a moderate grower. Fruit large, pyriform. Skin greenish yellow, nearly covered with a brownish russet and with a dull red cheek in the sun. Flesh yellowish, juicy, fine grained, with a rich flavour. Season last of October.
- 385.—**Manning's Elizabeth.** Planted Spring 1894. Tree a strong grower.
- 386.—**Margaret.** Planted Spring 1890. Tree a fairly strong grower and productive. Fruit of medium size, obovate. Skin greenish yellow, with dull red on the sunny side. Flesh white, juicy, sweet, vinous, quality good. Season early August.
- 387.—**Marguerite Marillat.** In nursery.
- 388.—**Marie Benoist.** Planted Spring 1893. Tree a moderate grower.
- 389.—**Marie Guisse.** In nursery.
- 390.—**Marie Louise Delecourt.** In nursery.
- 391.—**Marie Louise d'Uccle.** Tree a vigorous grower. Fruit large, obtuse, obovate, pyriform. Skin green, freely sprinkled with grayish dots and patches of russet. Flesh white, juicy, buttery, slightly astringent. Season September and October.
- 392.—**Marshall Vaillant.** Planted Spring 1896. Tree a vigorous grower. Fruit large, broad, obtuse, pyriform. Skin greenish yellow with many russet dots. Flesh whitish, melting, sweet, of fine quality. Season November.
- 393.—**Martillet.** Planted Spring 1896. Tree a strong grower.
- 394.—**Martin Clavier.** In nursery.
- 395.—**Martin-sec.** In nursery.

- 396.—**Marum Flask.** Planted Spring 1896. Tree a vigorous grower.
- 397.—**Matilda.** Planted Spring 1896. Tree a vigorous grower.
- 398.—**Mayflower.** Planted Spring 1899. Tree a strong grower.
- 399.—**Messire Jean.** In nursery.
- 400.—**Mignot.** Planted Spring 1896. Tree a strong grower.
- 401.—**Moltke.** Planted Spring 1896. Tree a vigorous grower.
- 402.—**Montlucon.** Planted Spring 1896. Tree a medium grower.
- 403.—**Monsallard.** In nursery.
- 404.—**Monseigneur des Hons.** In nursery.
- 405.—**Monseigneur Sibour.** In nursery.
- 406.—**Mount Vernon.** Planted Spring 1890. Tree a strong grower but a shy bearer. Fruit of medium size, roundish, pyriform. Skin yellowish, with a reddish cheek, and a little russet. Flesh yellowish, juicy, granular with an aromatic flavour. Season November.
- 407.—**Moscow.** In nursery.
- 408.—**Mundnetz.** Planted Spring 1896. Tree a medium grower.
- 409.—**Napoléon.** Planted Spring 1896. Tree a vigorous grower.
- 410.—**Napoléon Savinien.** In nursery.
- 411.—**Ne Plus Meuris.** In nursery.
- 412.—**Nina.** Planted Spring 1898. Tree a medium grower.
- 413.—**Nouveau Poiteau.** Planted Spring 1893. Tree a medium grower. Fruit of medium size, obovate, pyriform. Skin greenish yellow. Flesh whitish, buttery, juicy, sweet, with a fine rich flavour. Season November.
- 414.—**Nouvelle Fulvie.** Planted Spring 1893. Tree a medium grower. Fruit large, pyriform. Skin greenish yellow with a reddish brown cheek. Flesh yellowish, juicy, melting, sweet. Season October.
- 415.—**Olivier de Serres.** Planted Spring 1894. Tree a vigorous grower.
- 416.—**Onondaga.** Planted Spring 1896. Tree a strong grower.
- 417.—**Orpha.** Planted Spring 1896. Tree a moderate grower.
- 418.—**Orphéline d'Enghien.** In nursery.
- 419.—**Osband's Summer.** Planted Spring 1890. Tree a strong grower but a shy bearer. Fruit small, roundish, ovate, pyriform. Skin yellow, with many small brownish dots. Flesh white, juicy, melting, with a rich sweet flavour. Season early August.
- 420.—**Panna** (No. 33). Planted Spring 1894. Tree a strong grower
- 421.—**Parrot.** In nursery.
- 422.—**Passe Colmar.** Planted Spring 1890. Tree a vigorous grower.
- 423.—**Passe Crassane.** Planted Spring 1896. Tree a vigorous grower.
- 424.—**Pastor.** Planted Spring 1896. Tree a strong grower.
- 425.—**P. Barry.** Planted Spring 1894. Tree a strong grower.
- 426.—**Peffer.** In nursery.
- 427.—**Peffer's** (No. 2). In nursery.
- 428.—**Peffer's** (No. 7). In nursery.
- 429.—**Pfalzgräfin Kleine.** Planted Spring 1896. Tree a strong grower.
- 430.—**Pierre Corneille.** In nursery.
- 431.—**Pierre Joigneaux.** In nursery.
- 432.—**Pierre Tourasse.** In nursery.
- 433.—**Pitmaston Duchess.** Planted Spring 1893. Tree a strong grower. Fruit large, obovate, pyriform. Skin yellow with a little russet. Flesh yellowish, juicy, buttery, with a pleasant flavour. Season October.
- 434.—**Pound.** Planted Spring 1896. Tree a strong grower. Fruit very large, pyriform, Skin green, sometimes with a brownish cheek. Flesh solid, a cooking pear.
- 435.—**Prairie du Pond.** In nursery.
- 436.—**Pratt.** In nursery.
- 437.—**Précoc de Trevoux.** In nursery.
- 438.—**Premices d'Ecully.** In nursery.
- 439.—**Premices de Maria Lesueur.** In nursery.
- 440.—**President.** Planted Spring 1890. Tree a strong grower. Fruit large, roundish, obovate. Skin yellowish green, with a blush in the sun. Flesh yellowish, coarse, not very juicy. Season last of October and November.
- 441.—**President Carnot.** In nursery.
- 442.—**President de la Bastie.** In nursery.
- 443.—**President d'Osmonville.** In nursery.
- 444.—**President Drouard.** Planted Spring 1893. Tree a medium grower.
- 445.—**President Fortier.** In nursery.
- 446.—**President Gilbert.** Planted Spring 1897. Tree a medium grower.
- 447.—**President Heron.** In nursery.
- 448.—**President Mas.** Planted Spring 1893. Tree a vigorous grower.
- 449.—**Prevost.** Planted Spring 1896. Tree a moderate grower.
- 450.—**Prince Imperial.** In nursery.
- 451.—**Prince Napoleon.** Planted Spring 1896. Tree a medium grower.
- 452.—**Prince Rudolph of Austria.** In nursery.

- 453.—**Princess No. 3.** Planted Spring 1894. Tree a strong grower.
- 454.—**Professor Delaville.** In nursery.
- 455.—**Queen.** Planted Spring 1896. Tree a strong grower.
- 456.—**Red Bergamot.** Planted Spring 1896. Tree a strong grower.
- 457.—**Red Doyenne.** Planted Spring 1896. Tree a strong grower.
- 458.—**Reeder.** Planted Spring 1894. Tree a moderate grower.
- 459.—**Refreshing.** Planted Spring 1899. Tree a strong grower.
- 460.—**Remy Chantenay.** Planted Spring 1896. Tree a strong grower.
- 461.—**René Dunan.** Planted Spring 1896. Tree a strong grower.
- 462.—**Revel.** In nursery.
- 463.—**Riga 108 (Budd).** Planted Spring 1894. Tree a strong grower.
- 464.—**Riha's Seedless.** Planted Spring 1896. Tree a moderate grower.
- 465.—**Ritson.** Planted Spring 1896. Tree a medium grower, but a shy bearer. Fruit small, oblong, pyriform. Skin yellow, splashed with russet. Flesh white, juicy, buttery, with a pleasant flavour. Season last of August.
- 466.—**River's Princess.** Planted Spring 1896. Tree a strong and upright grower and a free bearer. Fruit large, oblong, pyriform. Skin greenish yellow. Flesh yellowish white, juicy, buttery, with a pleasant flavour. Season September and October.
- 467.—**Rostiezer.** Planted Spring 1890. Tree a medium grower. Fruit below medium in size, oblong, pyriform. Skin yellowish green, with dull red on the sunny side. Flesh juicy, melting, sugary, with a very fine flavour. Season last of August.
- 468.—**Rousselet de Reims.** In nursery.
- 469.—**Royale Vendée.** Planted Spring 1896. Tree a weak grower.
- 470.—**Saccharine.** In nursery.
- 471.—**St. Edmund.** In nursery.
- 472.—**St. Germain d'Hiver.** In nursery.
- 473.—**St. Joachim.** In nursery.
- 474.—**St. Luke.** In nursery.
- 475.—**St. Michael Archangel.** In nursery.
- 476.—**St. Swithins.** Planted Spring 1893. Tree a strong grower. Fruit small, obovate, pyriform. Skin green, with a few russet dots. Flesh white, juicy, buttery, with a fine flavour. Season last of August.
- 477.—**Salviate.** Planted Spring 1891. Tree a strong grower and free bearer. Fruit of medium size, obovate, pyriform. Skin greenish yellow. Flesh dry, granular, quality poor. Season August.
- 478.—**Sannier's Bergamot.** Planted Spring 1896. Tree a medium grower.
- 479.—**Sannier Père.** In nursery.
- 480.—**Santa Anna.** In nursery.
- 481.—**Sapieganka.** Planted Spring 1890. Tree a vigorous grower and free bearer. Fruit of medium size, pyriform. Skin green. Flesh greenish white, juicy, astringent, quality poor. Season September.
- 482.—**Sarah.** Planted Spring 1898. Tree a strong grower.
- 483.—**Sarrasin.** In nursery.
- 484.—**Seckel.** Planted Spring 1890. Tree a compact and upright grower. Fruit small, obovate. Skin brownish green. Flesh white, buttery, juicy, with a rich sugary aromatic flavour. Season October.
- 485.—**Secretary Alfred Vigneau.** In nursery.
- 486.—**Seigneur.** In nursery.
- 487.—**Sénateur Belle.** In nursery.
- 488.—**Sénateur Vaisse.** In nursery.
- 489.—**Seneca.** Planted Spring 1894. Tree a medium grower.
- 490.—**Sheldon.** Planted Spring 1890. Tree a strong grower. Fruit above medium size, roundish, obtuse, obovate. Skin greenish yellow, with a thin russet, nearly over the whole surface. Flesh whitish, juicy, buttery, sweet and rich. Season October.
- 491.—**Sivenicher.** Planted Spring 1896. Tree a strong grower.
- 492.—**Smith's Hybrid.** Planted Spring 1893. Tree a strong grower. Fruit above medium size, bell shape. Skin whitish yellow, a cooking pear. Season August and September.
- 493.—**Sœur Grégoire.** In nursery.
- 494.—**Soldat Laboureur.** Planted Spring 1895. Tree a moderate grower.
- 495.—**Souvenir du Congress.** Tree a strong grower. Fruit very large, oblong, obtuse, pyriform. Skin smooth yellow, with bright red on the sunny side. Flesh juicy, buttery, slightly musky, of very pleasant flavour. Season September.
- 496.—**Souvenir d'Esperen.** Planted Spring 1890. Tree a vigorous grower. Fruit above medium size, oblong, pyriform. Flesh yellowish, juicy, aromatic. Season October.
- 497.—**Souvenir de Leroux Durand.** In nursery.
- 498.—**Souvenir du Vénérable de la Salle.** In nursery.
- 499.—**Spar.** Planted Spring 1896. Tree a strong grower.
- 500.—**Steven's Genesee.** Planted Spring 1898. Tree a strong grower.
- 501.—**Sugar.** In nursery.

- 502.—**Summer Belle.** Planted Spring 1890. Tree a strong grower. Fruit large, bell shaped. Skin yellowish green. Flesh juicy, soft, astringent, quality poor. Season August.
- 503.—**Summer Muscatelle.** Planted Spring 1896. Tree a moderate grower.
- 504.—**Summer Thorn.** Planted Spring 1896. Tree a medium grower.
- 505.—**Sutton's Great Britain.** Planted Spring 1899. Tree a medium grower.
- 506.—**Suzette de Bavay.** In nursery.
- 507.—**Swan's Egg.** In nursery.
- 508.—**Tavernier de Boullongne.** In nursery.
- 509.—**Taynton Squash.** In nursery.
- 510.—**Tessie.** In nursery.
- 511.—**The Marquis.** In nursery.
- 512.—**Thirriot.** Planted Spring 1896. Tree a strong grower.
- 513.—**Thompson.** Planted Spring 1893. Tree a strong and upright grower. Fruit of medium size, obovate, pyriform. Skin greenish yellow, with patches of russet. Flesh white, juicy, buttery, sweet and of fine flavour. Season last of October.
- 514.—**Tonkovietka.** Tree a strong grower. Fruit of medium size. Skin yellow. Flesh coarse, dry, quality poor. Season September.
- 515.—**Tournay d'Hiver.** In nursery.
- 516.—**Tressorier.** Planted Spring 1896. Tree a weak grower.
- 517.—**Triomphe de Jodoigne.** In nursery.
- 518.—**Triomphe de Lorraine.** In nursery.
- 519.—**Triomphe de Tournay.** In nursery.
- 520.—**Triomphe de Vienne.** Planted Spring 1893. Tree a medium grower.
- 521.—**Two Sisters.** Planted Spring 1896. Tree a medium grower.
- 522.—**Tyson.** Planted Spring 1890. Tree a strong grower. Fruit below medium size, acute pyriform. Skin yellow, with a red cheek, and many brown dots. Flesh fine grained, juicy, buttery, sweet, and of good flavour. Season August.
- 523.—**Ulm.** Planted Spring 1896. Tree a medium grower.
- 524.—**Urbaniste.** Planted Spring 1894. Tree a moderate grower.
- 525.—**Valflore de Fontenelle.** In nursery.
- 526.—**Van Mons.** Planted Spring 1893. Tree a moderate grower. Fruit of medium size, obovate, pyriform. Skin greenish yellow, with patches of russet and many small dots. Flesh white, juicy, sweet and fine grained. Season September.
- 527.—**Vauquelin.** In nursery.
- 528.—**Vermont Beauty.** Planted Spring 1894. Tree a strong grower.
- 529.—**Verte Longue Panachée.** In nursery.
- 530.—**Verulam.** In nursery.
- 531.—**Vicar of Winkfield.** Planted Spring 1890. Tree a strong grower and a regular bearer. Fruit large, long pyriform. Skin smooth, pale yellow, often with a reddish cheek. Flesh whitish, juicy, buttery, with a pleasant flavour. Season December.
- 532.—**Vice President Decaye.** In nursery.
- 533.—**Vice President Delehay.** In nursery.
- 534.—**Victor.** In nursery.
- 535.—**Victor Hugo.** In nursery.
- 536.—**Victoriana.** In nursery.
- 537.—**Vidovka.** Planted Spring 1896. Tree a strong grower.
- 538.—**Virgouleuse.** Planted Spring 1896. Tree a strong grower.
- 539.—**Voronesh No. 18 (BUDD).** In nursery.
- 540.—**Voronesh No. 102 (BUDD).** Planted Spring 1894. Tree a strong grower.
- 541.—**Voronesh No. 28 (BUDD).** Planted Spring 1894. Tree a strong grower.
- 542.—**Waterloo.** Planted Spring 1899. Tree a medium grower.
- 543.—**White Autumn.** Planted Spring 1896. Tree a moderate grower.
- 544.—**White Doyenne.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, obovate. Skin smooth, pale yellow, sprinkled with small dots. Flesh white, buttery, fine grained, with a fine rich flavour. Season September and October.
- 545.—**Whitmore Coreless.** Planted Spring 1900. Tree a vigorous grower.
- 546.—**Wilder.** Planted Spring 1891. Tree a strong grower. Fruit large, pyriform. Skin clear yellow, with a bright red cheek in the sun. Flesh yellowish, juicy, buttery, sweet. Season early August.
- 547.—**Williams' Victoria.** In nursery.
- 548.—**Williams' Winter.** In nursery.
- 549.—**Winter Bartlett.** Planted Spring 1896. Tree a vigorous grower.
- 550.—**Winter Forelle.** Planted Spring 1896. Tree a strong grower.
- 551.—**Winter Jonah.** Planted Spring 1899. Tree a strong grower.
- 552.—**Winter Nelis.** Planted Spring 1890. Tree a vigorous but slender grower. Fruit small, roundish, obovate. Skin yellowish green. Flesh whitish, juicy, buttery, melting, sweet and of high flavour. Season December and January.
- 553.—**Winter Thorn.** Planted Spring 1896. Tree a strong grower.

554.—**Yat.** Planted Spring 1896. Tree a vigorous grower.

555.—**Zephirin Gregoire.** Planted Spring 1896. Tree a medium grower.

556.—**Zoe.** Planted Spring 1896. Tree a vigorous grower.

557.—**Zucherbirn (Budd).** Planted Spring 1896. Tree a strong grower.

CATALOGUE

OF

PLUM TREES

- 1.—**Abundance.** Planted Spring 1892. Tree a moderate and spreading grower but a poor bearer. Fruit large, round, almost pointed. Skin bright red. Flesh yellow, juicy. Season August.
- 2.—**American Eagle.** Planted Spring 1897. Tree a poor grower.
- 3.—**American Violet.** Planted Spring 1890. Tree a moderate grower and an early and profuse bearer. Fruit large, light purple with a bluish bloom. Flesh yellowish, sweet, juicy, with a pleasant flavour. Season last of August.
- 4.—**Angelina Burdette.** Planted Spring 1893. Tree a strong grower and free producer. Fruit above medium size, nearly round, with a deep suture, one side enlarged. Skin dark purple with brown dots and a bluish bloom. Flesh greenish yellow, juicy, with a sprightly flavour, free stone. Season early August.
- 5.—**Anna Spath.** Planted Spring 1896. Tree a strong grower. Fruit of medium size, oval with a shallow suture. Skin reddish purple with a bluish bloom. Flesh greenish yellow, juicy, sprightly, pleasant. Season last of August.
- 6.—**Arch Duke (RIVERS).** In nursery.
- 7.—**Arkansas Lombard.** Planted Spring 1895. Tree a moderate grower.
- 8.—**Baker Prune.** In nursery.
- 9.—**Bally's Japan.** Planted Spring 1895. Tree a spreading but irregular grower. Fruit very uneven in size ranging from large to very small, nearly globular. Skin light red. Flesh yellowish, juicy, with a fine flavour. Season August.
- 10.—**Beauty of Lowen.** Planted Spring 1896. Tree a vigorous grower.
- 11.—**Beauty of Naples.** Planted Spring 1891. Tree a poor grower.
- 12.—**Belgian Purple.** Planted Spring 1893. Tree a strong grower and productive. Fruit large, roundish oval. Skin deep purple, with a blue bloom. Flesh greenish, juicy, rich and sugary. Season last of August.
- 13.—**Belle de Louvain.** Planted Spring 1893. Tree a strong and upright grower. Fruit large, long oval with a deep suture. Skin reddish purple, with a thin bloom. Flesh yellow, a little coarse, juicy. Season last of August.
- 14.—**Belle de Paris.** In nursery.
- 15.—**Belle de Septembre.** Tree a strong grower but not productive. Fruit large, roundish with a deep suture. Skin light red, with a thin bloom. Flesh yellow, juicy, sweet. Season September.
- 16.—**Berckman's.** Planted Spring 1895. Tree a strong grower.
- 17.—**Bijonnier.** Planted Spring 1896. Tree a strong grower. Fruit of medium size, globular. Skin yellow. Flesh yellow, juicy, sweet. Season last of August.
- 18.—**Birchland.** Planted Spring 1893. Tree a moderate grower.
- 19.—**Bittern.** Planted Spring 1893. Tree a strong grower and productive. Fruit above medium size, oval. Skin purple, with a heavy blue bloom. Flesh yellowish, firm, juicy, with a fine flavour. Season September.
- 20.—**Black Hawk.** In nursery.
- 21.—**Black Kentish Diamond.** In nursery.
- 22.—**Bleekers Gage.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, roundish, oval. Skin yellow, with white specks and a thin bloom. Flesh yellow, sweet, rich, and luscious. Season September.
- 23.—**Blue Apricot.** Planted Spring 1896. Tree a strong grower.
- 24.—**Blue Egg.** Planted Spring 1896. Tree a strong grower.
- 25.—**Blue Imperatrice.** Planted Spring 1896. Tree a strong grower. Fruit of medium size, oval, tapering towards the stalk. Skin deep purple with a bluish bloom. Flesh firm, not very juicy, rich and sugary. Season late September.

- 26.—**Blue prolific Gage.** In nursery.
- 27.—**Blue Rock.** In nursery.
- 28.—**Boddaert's Reine Claude.** Planted Spring 1896. Tree a strong grower. Fruit of medium size. Skin greenish yellow. Flesh greenish, rich, sweet, luscious, Season September.
- 29.—**Botan.** Planted Spring 1892. Tree a spreading grower. Fruit of medium size, pointed heart shape. Skin bright red, sprinkled with grayish dots, and covered with a thin white bloom. Flesh yellow, juicy, and of pleasant flavour. Season early August.
- 30.—**Botankio.** Planted Spring 1895. Tree a strong grower.
- 31.—**Bonne Bouche.** In nursery.
- 32.—**Bonne de Bry.** Planted Spring 1900. Tree a strong grower.
- 33.—**Boulouf.** In nursery.
- 34.—**Bradshaw.** Planted Spring 1890. Tree a strong grower. Fruit large, oval, tapering towards the stem. Skin reddish purple, with a light blue bloom. Flesh yellowish, coarse, juicy, with a pleasant flavour. Season August.
- 35.—**Brauman.** Planted Spring 1896. Tree a strong grower.
- 36.—**Brignol.** In nursery.
- 37.—**Britzer Egg.** Planted Spring 1896. Tree a strong grower.
- 38.—**Brunswick.** Planted Spring 1894. Tree a strong grower.
- 39.—**Bryanston's Gage.** Planted Spring 1894. Tree a strong grower. Fruit above medium size, globular, with a suture. Skin yellow, with red dots about stem. Flesh yellow, juicy, sweet, and rich. Season last of September.
- 40.—**Buhler's Early Prune.** Planted Spring 1899. Tree a strong grower.
- 41.—**Bullman.** Planted Spring 1896. Tree a strong grower.
- 42.—**Burbank.** Planted Spring 1894. Tree a spreading irregular grower. Fruit large, roundish, conical, uneven in size. Skin yellowish red. Flesh yellow, moderately juicy, sweet. Season middle of August.
- 43.—**Bush Plum of Kent.** In nursery.
- 44.—**Caddo Chief.** Planted Spring 1894. Tree a moderate grower.
- 45.—**Catharine.** Planted Spring 1896. Tree a strong grower.
- 46.—**Centralia.** Planted Spring 1894. Tree a moderate grower.
- 47.—**Chabot.** Planted Spring 1894. Tree a strong grower.
- 48.—**Charles Downing.** Planted Spring 1897. Tree a moderate grower.
- 49.—**Cheney.** Planted Spring 1897. Tree a weak grower.
- 50.—**Chester.** Planted Spring 1898. Tree a strong grower.
- 51.—**City.** Planted Spring 1897. Tree a strong grower.
- 52.—**Cleveland.** Planted Spring 1897. Tree a moderate grower.
- 53.—**Clyman.** Planted Spring 1892. Tree a strong grower. Fruit above medium size, oval shape. Skin reddish yellow, with a bluish bloom. Flesh yellowish, juicy, sweet, rich. Season early August.
- 54.—**Cochet.** Planted Spring 1896. Tree a moderate grower. Fruit large, oblong, with a shallow suture. Skin yellow, with many reddish dots. Flesh yellowish, moderately juicy, firm, sweet, a free stone variety. Season August.
- 55.—**Coe's Violet.** In nursery.
- 56.—**Coe's Golden Drop.** Planted Spring 1890. Tree a moderate grower. Fruit large, oval, with a medium suture. Skin yellow, with a few red dots. Flesh yellow, rich, sweet, with a pleasant flavour. Season September.
- 57.—**Col. Wilder.** Planted Spring 1897. Tree a weak grower.
- 58.—**Colorado Queen.** Planted Spring 1897. Tree a moderate grower.
- 59.—**Columbia.** Planted Spring 1890. Tree a vigorous grower. Fruit very large, nearly globular. Skin brownish purple, sprinkled with yellowish dots, and covered with a bluish bloom. Flesh deep yellow, not very juicy, sweet and of pleasant flavour. Season August.
- 60.—**Comte de Althème Gage.** In nursery.
- 61.—**Cottrell.** Planted Spring 1896. Tree a poor grower.
- 62.—**Cox's Emperor.** Planted Spring 1893. Tree a vigorous grower. Fruit large, round, with a shallow suture. Skin light reddish purple. Flesh firm, sweet, and rich, a free stone variety. Season early September.
- 63.—**Crescent City.** Planted Spring 1897. Tree a moderate grower.
- 64.—**Curlew.** Planted Spring 1893. Tree a vigorous grower and productive. Fruit of medium size, roundish, oval. Skin purple, with a heavy bluish bloom. Flesh greenish yellow, juicy, moderately sweet, firm. Season August.
- 65.—**Damas de Tours.** In nursery.
- 66.—**Damas Hâtif.** In nursery.
- 67.—**Damson.** Planted Spring 1890. Tree a vigorous grower and a free bearer. Fruit small, oval. Skin purple, with a thick blue bloom. Flesh greenish yellow, juicy and somewhat acid. Season September.

- 68.—**Damson, Bazalica's.** Planted Spring 1896. Tree a strong grower and productive. Fruit large, for a damson. Skin reddish purple, with a whitish bloom. Flesh greenish, sweet, moderately juicy. Season August.
- 69.—**Damson, Bluberthal's.** Planted Spring 1896. Tree a vigorous grower. Fruit one of the largest of the damsons, heart shaped. Skin deep purple, with a thick blue bloom. Flesh green, juicy, sprightly. Season August.
- 70.—**Damson, Cluster.** Planted Spring 1893. Tree a strong grower and a free bearer. Fruit oval, dark blue or nearly black, with a thick blue bloom. Flesh greenish, juicy, slightly acid. Season September.
- 71.—**Damson, Frogmore Prolific.** Planted Spring 1893. Tree a vigorous grower and productive. Fruit large, oval. Skin dark purple, with a thick blue bloom. Flesh green, juicy, somewhat acid. Season early September.
- 72.—**Damson, Furst's.** Planted Spring 1896. Tree a strong grower. Fruit of medium size, oblong, oval. Skin purple, sprinkled with gray dots. Flesh greenish, juicy, slightly acid, with a pleasant flavour. Season September.
- 73.—**Damson, King.** Planted Spring 1893. Tree a vigorous grower and a free producer. Fruit of medium size, roundish, oval. Skin dark purple, with a blue bloom. Flesh green, juicy, sprightly. Season August.
- 74.—**Damson, Large English.** Planted Spring 1896. Tree a vigorous grower.
- 75.—**Damson, Prune.** Planted Spring 1893. Tree a strong grower and a moderate bearer. Fruit small, oval. Skin purple, with a blue bloom. Flesh greenish, sweet and juicy. Season August.
- 76.—**Damson, Rivers, Early.** Planted Spring 1893. Tree a strong grower. Fruit of medium size, oval. Skin dark purple. Flesh greenish, firm, juicy, and pleasantly acid. Season August.
- 77.—**Damson, Shropshire.** Planted Spring 1892. Tree a free grower. Fruit small dark purple. Flesh greenish, juicy, sprightly. Season August.
- 78.—**Dawson Sugar.** Planted Spring] 1896. Tree a moderate grower.
- 79.—**Datte Vert.** In nursery.
- 80.—**Decaisne.** Planted Spring 1893.
- 81.—**Decaisne (E. & B.).** Fruit large, oval, tapering most towards stem, very similar in growth of tree and character of fruit to Bradshaw. True Decaisne is said to be yellow.
- 82.—**Deep Creek.** Planted Spring 1892. Tree a poor grower and not productive. Fruit small, pointed heart shape. Skin bright yellowish red. Flesh orange, juicy, sprightly. Season August.
- 83.—**Denniston's Superb.** Planted Spring 1893. Tree a strong grower. Fruit above medium size, round, flattened, and with a suture. Skin pale yellow, with purple blotches, and a thin bloom. Flesh yellowish, rich, sweet, moderately juicy. Season August.
- 84.—**De Soto.** Planted Spring 1893. Tree a poor grower and not productive.
- 85.—**Diamond.** Planted Spring 1893. Tree a strong grower productive. Fruit large, oval. Skin nearly black with a thick blue bloom. Flesh deep yellow, not very juicy, sprightly. Season late August.
- 86.—**Dr. Dennis.** Planted Spring 1896. Tree a moderate grower.
- 87.—**Dr. Uff.** Planted Spring 1899. Tree a medium grower.
- 88.—**Double Mirabelle.** Planted Spring 1896. Tree a vigorous grower.
- 89.—**Drap d'or de l'Est.** In nursery.
- 90.—**Dry's Seedling.** Planted Spring 1896. Tree a vigorous grower.
- 91.—**Duane's Purple.** Planted Spring 1890. Tree a vigorous grower and free bearer. Fruit above medium size, oval. Skin purple, covered with a bluish bloom, and dotted with yellow specks. Flesh amber coloured, juicy, moderately sweet, with a pleasant flavour. Season early August.
- 92.—**Dunlap.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, oval, with a shallow suture. Skin clear yellow, with a reddish cheek. Flesh yellow, rich, juicy and sweet. Season early September.
- 93.—**Dunlap No. 1.** Planted Spring 1898. Tree a moderate grower.
- 94.—**Early Favourite.** Planted Spring 1893. Tree a strong grower. Fruit small, oval, with a shallow suture. Skin nearly black with a few russet dots and a blue bloom. Flesh greenish, juicy, sweet, is liable to crack badly. Season August.
- 95.—**Early Prolific.** Planted Spring 1893. Tree a free grower. Fruit small nearly glo-bular. Skin dark purple with a blue bloom. Flesh yellowish, juicy, sweet. Season last of July.
- 96.—**Early Red (Budd).** Planted Spring 1893. Tree a poor grower. Fruit small, oval. Skin dark purple with a heavy blue bloom. Flesh greenish white, not juicy, granular, acid. Season early August.
- 97.—**Early Reine Claude.** Planted Spring 1896. Tree a strong grower.
- 98.—**Early Tours.** Planted Spring 1896. Tree a medium grower.
- 99.—**Early Transparent Gage.** Planted Spring 1893. Tree a strong grower. Fruit of medium size, round. Skin greenish yellow. Flesh yellowish, sweet, juicy. Season August.

- 100.—**Ella.** Planted Spring 1896. Tree a strong grower.
- 101.—**Esther.** Planted Spring 1896. Tree a moderate grower.
- 102.—**Evans Seedling.** Planted Spring 1896. Tree a strong grower.
- 103.—**Excelsior.** Planted Spring 1895. Tree a strong grower. Fruit small, oblong, with a suture. Skin bluish purple with a bluish bloom. Flesh greenish yellow, sweet, with a pleasant flavour. Season September.
- 104.—**Fellenburgh.** Planted Spring 1890. Tree a fair grower. Fruit of medium size, oval. Skin nearly black, with a blue bloom. Flesh yellow, juicy, sweet. Season September.
- 105.—**Field.** Planted Spring 1894. Tree a strong and upright grower. Fruit large, oblong, with a deep suture. Skin purple, with a thin blue bloom. Flesh greenish yellow, firm, juicy, sweet. Season late August.
- 106.—**Forest Garden.** Planted Spring 1893. Tree a vigorous grower. Fruit small, round. Skin red, with a few small whitish dots, and a thin white bloom. Flesh orange, juicy, with a pleasant flavour. Season September.
- 107.—**French Prune.** Planted Spring 1896. Tree a strong grower. Fruit below medium size, oval. Skin reddish with a whitish bloom, sweet and rich, with a fine flavour, is liable to crack badly. Season last of September.
- 108.—**Gaylord.** Planted Spring 1896. Tree a medium grower.
- 109.—**General Hand.** Planted Spring 1890. Tree a very strong grower, but not a free bearer. Fruit above medium size, round. Skin marbled yellow. Flesh pale yellow, juicy, sweet. Season September.
- 110.—**Giant Prune.** Planted Spring 1896. Tree a vigorous grower.
- 111.—**Gisborne's.** Planted Spring 1893. Tree a strong grower. Fruit of medium size, oblong and tapering to the stem. Skin yellow. Flesh yellow, juicy, sweet. Season last of August.
- 112.—**Glass' Seedling.** Planted Spring 1893. Tree a strong grower. Fruit of medium size, oblong with a suture. Skin mottled in two shades of purple, and with a whitish bloom. Flesh yellowish, sweet, juicy. Season September.
- 113.—**Golden Beauty.** Planted Spring 1894. Tree a free grower. Fruit small pointed. Skin clear golden yellow, with a faint bluish and a thin whitish bloom. Flesh yellow, moderately juicy, sprightly. Season last of August.
- 114.—**Golden Transparent.** In nursery.
- 115.—**Gold.** Planted Spring 1896. Tree a free grower.
- 116.—**Goliath.** Planted Spring 1894. Tree a strong grower and free producer. Fruit large, roundish, oblong, suture deep and one side enlarged. Skin reddish purple, with a thin whitish bloom. Flesh yellow, juicy, with a brisk pleasant flavour. Season early August.
- 117.—**Grand Duke.** Planted Spring 1893. Tree a strong grower. Fruit large, oval. Skin reddish purple with a light blue bloom. Flesh yellowish, a little coarse, juicy, with a brisk pleasant flavour. Season September.
- 118.—**Green Gage.** Planted Spring 1890. Tree a strong grower and free bearer. Fruit below medium size, round. Skin yellowish green. Flesh light green, juicy, sweet and luscious. Season August.
- 119.—**Grosse Surpasse.** In nursery.
- 120.—**Guei.** Planted Spring 1890. Tree a strong grower and free bearer. Fruit above medium size, roundish, oval. Skin dark purple, with a thick blue bloom. Flesh pale yellow, a little coarse, firm, juicy and sweet. Season late August.
- 121.—**Guthrie's Topaz.** Planted Spring 1896. Tree a strong grower.
- 122.—**Hammer.** Planted Spring 1896. Tree a medium grower.
- 123.—**Hattankio.** Planted Spring 1892. Tree a medium but an irregular grower.
- 124.—**Hawkeye.** Planted Spring 1900. Tree a moderate grower.
- 125.—**Heron.** Planted Spring 1893. Tree a strong grower. Fruit large, oblong. Skin greenish yellow, with a reddish blush overspreading nearly the whole surface. Flesh yellow, sweet, moderately juicy. Season August.
- 126.—**Herren's Yellow.** Planted Spring 1896. Tree a moderate grower.
- 127.—**Holman Prune.** Planted Spring 1896. Tree a free grower. Fruit of medium size, oblong, tapering to apex. Skin greenish yellow, with a white bloom. Flesh yellowish, sweet, moderately juicy. Season September.
- 128.—**Hudson River Purple.** Tree a strong grower and productive. Fruit large, oblong, oval. Skin purple, with a thick blue bloom. Flesh greenish, yellow, juicy and sweet. Season early September.
- 129.—**Hughes' Late.** Planted Spring 1896. Tree a poor grower.
- 130.—**Huling's Superb.** Planted Spring 1893. Tree a strong grower. Fruit above medium size, roundish, oval, with a shallow suture and one side enlarged. Skin greenish purple, mottled with yellow. Flesh yellow, juicy, with a brisk rich flavour. Season August.

- 131.—**Ickworth Imperatrice.** Planted Spring 1893. Tree a moderate grower. Fruit of medium size, round. Skin purple, with streaks of lighter colour. Flesh greenish yellow, sweet, juicy, rich. Season August.
- 132.—**Imperial Gage.** Planted Spring 1890. Tree a strong grower and a free producer. Fruit above medium size, oval, with a suture. Skin pale yellow, with greenish stripes. Flesh yellowish green, juicy, sweet, rich. Season August.
- 133.—**Imperial Epineux.** Planted Spring 1900. Tree a medium grower.
- 134.—**Irene.** Planted Spring 1896. Tree a weak grower.
- 135.—**Italian Prune.** Tree a vigorous and spreading grower. Fruit of medium size, oval. Skin dark blue, with a bluish bloom. Flesh yellow, juicy, sweet. Season October.
- 136.—**Ida.** Planted Spring 1896. Tree a poor grower.
- 137.—**James Vick.** In nursery.
- 138.—**Jaune hâtive.** Planted Spring 1900. Tree a moderate grower.
- 139.—**Jaune très hâtive Baboud.** In nursery.
- 140.—**Jaune tardive.** In nursery.
- 141.—**Jefferson.** Planted Spring 1890. Tree a vigorous grower and productive. Fruit above medium size. Skin golden yellow, with a blush, and a thin white bloom. Flesh orange, juicy, luscious, sweet. Season August.
- 142.—**Jerusalem.** Planted Spring 1896. Tree a strong grower.
- 143.—**John A.** In nursery.
- 144.—**July Green Gage.** Planted Spring 1893. Tree a medium grower. Fruit of medium size, globular, with a deep suture. Skin light yellowish green. Flesh greenish, juicy, sweet, with a pleasant flavour. Season August.
- 145.—**Kelsey's Japan.** Planted Spring 1890. Tree a straggling grower.
- 146.—**Kentish Diamond.** In nursery.
- 147.—**Kennedy Red.** In nursery.
- 148.—**Kirke's.** Planted Spring 1893. Tree a strong grower. Fruit of medium size, oblong. Skin pale reddish purple, with a few golden dots. Flesh yellowish white, juicy, sweet, firm, rich. Season September.
- 149.—**Lafayette.** Planted Spring 1894. Tree a vigorous grower. Fruit above medium size. Skin purple. Flesh yellow, juicy, pleasant. Season September.
- 150.—**Lambert's Red.** In nursery.
- 151.—**Large Golden Prolific.** Planted Spring 1890. Tree a vigorous grower. Fruit above medium size, oblong. Skin golden yellow. Flesh yellow, juicy, sweet, pleasant. Season August.
- 152.—**Large Red Sweet.** In nursery.
- 153.—**Large Reine Claude.** Planted Spring 1896. Tree a medium grower.
- 154.—**Late Black Orleans.** In nursery.
- 155.—**Late Muscatel.** Planted Spring 1896. Tree a vigorous grower.
- 156.—**Late Orange.** In nursery.
- 157.—**Late Transparent.** Planted Spring 1893. Tree a vigorous grower. Fruit of medium size, round. Skin greenish yellow, with small reddish dots and a thin white bloom. Flesh yellowish, sweet, juicy, and of fine flavour. Season August.
- 158.—**Leonard.** In nursery.
- 159.—**Lepine.** Planted Spring 1896. Tree a moderate grower.
- 160.—**Lincoln.** Planted Spring 1891. Tree a strong grower. Fruit large, oval. Skin reddish purple, with many whitish dots, and a thin whitish bloom. Flesh yellow, juicy, sweet, pleasant. Season early August.
- 161.—**Lombard.** Planted Spring 1890. Tree a strong grower and a free bearer. Fruit above medium size, roundish, oval. Skin reddish purple, with a few reddish dots and a thin bluish bloom. Flesh yellow, juicy, pleasant. Season August.
- 162.—**Lone Star.** Planted Spring 1895. Tree a medium grower.
- 163.—**Lucombe's Nonesuch.** Planted Spring 1893. Tree a strong grower. Fruit above medium size, globular, with a suture. Skin pale greenish yellow. Flesh yellow, juicy, sweet and rich. Season August.
- 164.—**Lyon's Apricot.** Planted Spring 1896. Tree a strong grower.
- 165.—**Madame Nicolle.** In nursery.
- 166.—**Magnum Bonum Red.** Planted Spring 1893. Tree a poor grower.
- 167.—**Magnum Bonum White.** Planted Spring 1893. Tree a strong grower. Fruit very large. Egg shaped with a well marked suture. Skin golden yellow, with a few white dots and sometimes a pink blush, also a thin white bloom. Flesh yellow, fairly juicy, sprightly. Season August.
- 168.—**Mallard.** Planted Spring 1893. Tree a strong grower and a regular bearer. Fruit above medium size, oblong, with a suture. Skin purple, with a whitish bloom. Flesh yellow, juicy, rich, free stone, and not subject to rot. Season August.

- 169.—**Mariana**. Planted Spring 1892. Tree a moderate grower. Fruit small, pointed almost heart shape. Skin yellowish red, with a thin white bloom. Flesh yellowish, juicy, with a rich flavour. Season early August.
- 170.—**Mason**. Planted Spring 1896. Tree a medium grower.
- 171.—**McGillivray**. Planted Spring 1890. Tree a moderate grower, but has not yet borne any fruit worth mentioning as a crop.
- 172.—**McLaughlin**. Planted Spring 1893. Tree a strong grower. Fruit above medium size, round. Skin greenish yellow. Flesh yellow, juicy, rich and sugary. Season August.
- 173.—**Meroldts' Reine Claude**. Planted Spring 1896. Tree a strong grower.
- 174.—**Mereton's Egg**. In nursery.
- 75.—**Metz Mirabelle**. Planted Spring 1896. Tree a vigorous grower.
- 176.—**Mirabelle grosse**. In nursery.
- 177.—**Mirabelle précoce de Berghthold**. In nursery.
- 178.—**Mirabelle tardive**. In nursery.
- 179.—**Mistake**. Planted Spring 1896. Tree a vigorous grower.
- 180.—**Mitchelson**. Planted Spring 1893. Tree a strong grower. Fruit of medium size, oblong with a shallow suture. Skin deep reddish purple, with a thin bluish bloom. Flesh greenish, juicy, sweet. Season late August.
- 181.—**Monarch**. Planted Spring 1893. Tree a strong grower. Fruit large, roundish, oval. Skin dark purple with a blue bloom. Flesh yellowish, firm, juicy, sprightly, good. Season September.
- 182.—**Monsieur hâtif**. In nursery.
- 183.—**Monsieur jaune**. In nursery.
- 184.—**Montfort**. Planted Spring 1896. Tree a vigorous grower.
- 185.—**Moyer**. Planted Spring 1890. Tree a vigorous grower but not a free producer. Fruit of medium size. Skin reddish purple, with a thin bloom. Flesh yellowish, sweet, juicy. Season late August.
- 186.—**Monroe**. Planted Spring 1890. Tree a strong grower and a free bearer. Fruit of medium size, oval. Skin greenish yellow. Flesh yellowish, juicy, sweet. Season last of August.
- 187.—**Moore's Arctic**. Planted Spring 1890. Tree a strong grower and a heavy bearer. Fruit small, roundish, oval. Skin nearly black with a thin blue bloom. Flesh greenish yellow, sweet, juicy, with a pleasant flavour. Season September.
- 188.—**Neils**. Planted Spring 1896. Tree a feeble grower.
- 189.—**New Ulm**. Planted Spring 1896. Tree a poor grower.
- 190.—**Niagara**. Planted Spring 1890. Tree a strong and upright grower, but a sparse bearer. Fruit large, oval. Skin reddish purple, with a thin bloom. Flesh yellowish, juicy, with a brisk pleasant flavour. Season August.
- 191.—**Niemburg Egg**. Planted Spring 1896. Tree a vigorous grower.
- 192.—**Norbert**. In nursery.
- 193.—**Ocheeda**. Planted Spring 1896. Tree a weak grower.
- 194.—**Ogon**. Planted Spring 1892. Tree a medium grower. Fruit large, nearly round. Skin yellow, with a thin bloom. Flesh yellow, not juicy, firm, sweet. Season August.
- 195.—**Ontario**. Planted Spring 1896. Tree a free grower. Fruit of medium size, oval, with a suture. Skin yellow. Flesh yellow, juicy, sweet. Season September.
- 196.—**Orange**. Planted Spring 1894. Tree a strong grower. Fruit of medium size, round, with a shallow suture. Skin yellow. Flesh yellow, juicy and sprightly. Season September.
- 197.—**Orel (No. 19)**. Planted Spring 1894. Tree a strong grower. Fruit of medium size, oblong, with a shallow suture. Skin reddish purple, with a thin bluish bloom. Flesh greenish yellow, juicy, sweet. Season August.
- 198.—**Orel (No. 20)**. Planted Spring 1894. Tree a strong grower.
- 199.—**Orleans, New**. Planted Spring 1893. Tree a moderate grower. Fruit of medium size, roundish, oblong, with a shallow suture. Skin purple, with a few whitish dots. Flesh yellow, juicy, rich, sprightly. Season September.
- 200.—**Orleans, Old**. Planted Spring 1893. Tree a strong grower. Fruit small, round, with a shallow suture. Skin reddish purple, with a thin whitish bloom. Flesh greenish, sweet and juicy. Season August.
- 201.—**Oullin's Golden Gage**. Planted Spring 1890. Tree a strong grower. Fruit above medium size, roundish, oblong. Skin golden yellow, mottled with light green, with a few red dots and a thin whitish bloom. Flesh yellow, juicy and sweet. Season August.
- 202.—**Partridge**. Planted Spring 1896. Tree a strong grower.
- 203.—**Peach**. Planted Spring 1890. Tree a strong grower. Fruit large, roundish, flattened at both ends. Skin light red, with a few dark specks, and a thin bloom. Flesh yellowish white, coarse grained, juicy, sprightly. Season last of July.

- 204.—**Peasant.** Planted Spring 1896. Tree a strong grower. Fruit small, roundish with a shallow suture. Skin purple with a thin whitish bloom. Flesh yellowish, juicy and moderately sweet. Season September.
- 205.—**Peffer's Premium.** Planted Spring 1896. Tree a moderate grower.
- 206.—**Pershore.** Planted Spring 1893. Tree a strong grower. Fruit above medium size, oblong, tapering to stem, with a shallow suture. Skin yellow, with a thin white bloom. Flesh yellowish, juicy, sprightly, with a pleasant flavour. Season August.
- 207.—**Peters' Yellow Gage.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, globular. Skin pale yellow, with a thin light bloom. Flesh yellow, juicy and sweet. Season August.
- 208.—**Petite Mirabelle.** Planted Spring 1895. Tree a vigorous grower. Fruit small to medium in size. Skin green, with a bronze red cheek, many small reddish dots, and a thin whitish bloom. Flesh greenish, juicy and sweet. Season August.
- 209.—**Pond's Seedling.** Planted Spring 1890. Tree a strong and upright grower. Fruit very large, oval, tapering to the stalk. Skin yellowish, nearly covered with bright red, a few brownish dots and a thin whitish bloom. Flesh yellow, a little coarse, juicy and sweet. Season September.
- 210.—**Précoce de Tours.** In nursery.
- 211.—**President Courcelle.** Tree a vigorous grower. Fruit of medium size, globular, with a shallow suture. Skin purple, with a thin bluish bloom. Flesh pale yellow, juicy, sweet, with a pleasant flavour. Season September.
- 212.—**Primate.** In nursery.
- 213.—**Prince Englebert.** Planted Spring 1894. Tree a vigorous grower. Fruit above medium size, oblong, oval, one side enlarged. Skin purple, with brown dots and a deep blue bloom. Flesh yellowish green, juicy and sweet. Season August.
- 214.—**Prince Lippe.** In nursery.
- 215.—**Prince of Wales.** In nursery.
- 216.—**Prince's Red Gage.** Planted Spring 1896. Tree a vigorous grower.
- 217.—**Prune, Buhler's Early.** Planted Spring 1899. Tree a strong grower.
- 218.—**Prune, Bulgarian.** Planted Spring 1896. Tree a strong grower.
- 219.—**Prune d'Agen.** Planted Spring 1890. Tree a medium grower. Fruit of medium size, oval, suture shallow. Skin violet purple, with many small grey dots and a thick bluish bloom. Flesh greenish yellow, juicy, sweet and rich. Season September.
- 220.—**Prune de Délices.** Planted Spring 1896. Tree a slow grower.
- 221.—**Prunus Simoni.** Planted Spring 1890. Tree a free grower but a very shy bearer. Fruit large, globular, flattened at both ends. Skin bright red, with a thin bloom. Flesh yellow, juicy. Season August.
- 222.—**Purple Gage.** Planted Spring 1899. Tree a medium grower.
- 223.—**Purple Yosemite.** Planted Spring 1898. Tree a slow grower.
- 224.—**Quackenboss.** Planted Spring 1891. Tree a moderate grower.
- 225.—**Quaker.** Planted Spring 1894. Tree a weak grower. Fruit small. Skin yellowish red. Flesh deep orange, juicy and sprightly. Season August.
- 226.—**Queen of Mirabelles.** Planted Spring 1896. Tree a strong grower.
- 227.—**Quetsche d'Allemagne.** In nursery.
- 228.—**Quetsche de Dorell.** In nursery.
- 229.—**Quetsche hâtive.** In nursery.
- 230.—**Rachel.** In nursery.
- 231.—**Rademakers.** Planted Spring 1896. Tree a poor grower.
- 232.—**Red Imperial.** In nursery.
- 233.—**Red Negate.** Planted Spring 1893. Tree a moderate but spreading grower. Fruit of medium size, pointed heart shape. Skin clear red, with a thin white bloom. Flesh yellow, moderately juicy and sweetish. Season August.
- 234.—**Reine Claude d'Althan.** In nursery.
- 235.—**Reine Claude Davion.** In nursery.
- 236.—**Reine Claude de Chambourcy.** In nursery.
- 237.—**Reine Claude d'Ecully.** In nursery.
- 238.—**Reine Claude de l'Echoisier.** In nursery.
- 239.—**Reine Claude de Mezel.** Planted Spring 1896. Tree a strong grower. Fruit of medium size, globular, with a shallow suture. Skin greenish yellow, with a whitish bloom. Flesh yellow, juicy and sweet. Season early August.
- 240.—**Reine Claude de Montmorency.** In nursery.
- 241.—**Reine Claude de Woolston.** In nursery.
- 242.—**Reine Claude de Wazon.** In nursery.
- 243.—**Reine Claude d'Oullins.** In nursery.
- 244.—**Reine Claude de Razaimbaut.** Planted Spring 1895. Tree a vigorous grower. Fruit small, roundish. Skin green. Flesh green, juicy and rich. Season September.
- 245.—**Reine Claude Rouge.** Planted Spring 1893. Tree a moderate grower. Fruit of medium size, round, with a shallow suture. Skin reddish purple, with a thin bloom. Flesh greenish yellow, juicy, sweet, with a pleasant flavour. Season August.

- 246.—**Reine Claude Sagot.** In nursery.
- 247.—**Reine Claude Transparent.** Planted Spring 1895. Tree a medium grower. Fruit of medium size, globular, with a shallow suture. Skin purple, with a light bluish bloom. Flesh pale yellow, juicy, sweet, with a pleasant flavour. Season September.
- 248.—**Reine Claude Verte.** Planted Spring 1895. Tree a strong grower. Fruit small, roundish. Skin deep purple, with a heavy blue bloom. Flesh greenish, juicy, sweet, with a fine flavour. Season August.
- 249.—**Rangheri's Mirabelle.** Planted Spring 1896. Tree a strong grower. Fruit small, round, with a shallow suture. Skin pale yellow. Flesh yellow, juicy and sweet. Season early September.
- 250.—**Richland.** Planted Spring 1892. Tree a weak grower. Fruit of medium size, oval, with a suture. Skin greenish purple, with a thin bloom. Flesh yellowish, juicy and sprightly. Season early August.
- 251.—**Rivers Early.** Planted Spring 1893. Tree a strong grower. Fruit small, roundish oval. Skin dark purple. Flesh greenish yellow, juicy, sweet, with a pleasant flavour. Season August.
- 252.—**Robinson.** Planted Spring 1892. Tree a strong grower, not productive. Fruit small, oblong. Skin clear red. Flesh orange, moderately juicy, with a pleasant flavour. Season August.
- 253.—**Rockford.** Planted Spring 1894. Tree a medium grower.
- 254.—**Roulette.** Planted Spring 1894. Tree a weak grower.
- 255.—**Royal Tours.** Planted Spring 1896. Tree a free grower.
- 256.—**Saint Catherine.** Planted Spring 1895. Tree a strong grower. Fruit below medium size, oblate. Skin pale yellow, with a thin white bloom. Flesh yellow, juicy, firm, with a rich flavour. Season last of September.
- 257.—**Saint Etienne.** In nursery.
- 258.—**Saratoga.** Planted Spring 1891. Tree a strong grower. Fruit of medium size, oval, with a shallow suture. Skin reddish purple, with a thin bloom. Flesh yellowish, juicy and sweet. Season September.
- 259.—**Satsuma Blood.** Planted Spring 1892. Tree a spreading grower. Fruit large, round, pointed. Skin dark red, with a thin bluish bloom. Flesh juicy, orange red. Season August.
- 260.—**Saunders.** Planted Spring 1890. Tree a strong grower. Fruit above medium size, oblong, oval. Skin clear yellow, with a whitish bloom. Flesh yellow, juicy, sprightly. Season early August.
- 261.—**Shipper's Pride.** Planted Spring 1890. Tree a strong grower, productive. Fruit above medium size, roundish, oval. Skin purple, with a blue bloom. Flesh yellow, sweet, juicy, with a pleasant flavour. Season August.
- 263.—**Shiro Smomo.** Planted Spring 1891. Tree a poor grower. Fruit small, pointed heart shape. Skin yellowish red, with a thin whitish bloom. Flesh yellowish red, juicy, with a pleasant flavour. Season early August.
- 263.—**Silas Wilson.** Planted Spring 1896. Tree a weak grower.
- 264.—**Silver Prune.** Planted Spring 1895. Tree a strong grower. Fruit above medium size, globular, flattened a little at both ends. Skin reddish purple, with a thin whitish bloom. Flesh greenish yellow, firm, sweet and rich. Season early September.
- 265.—**Smith's Orleans.** Planted Spring 1890. Tree a strong grower. Fruit above medium size, oval, with a deep suture. Skin reddish purple, with a blue bloom. Flesh yellow, juicy, brisk, with a rich flavour. Season August.
- 266.—**Smith's Prolific.** In nursery.
- 267.—**Sophie.** In nursery.
- 268.—**Spaulding.** Planted Spring 1892. Tree a strong grower. Fruit above medium size, oblong, oval. Skin greenish yellow. Flesh yellow, sweet, juicy and rich. Season August.
- 269.—**Spicer.** Planted Spring 1896. Tree a weak grower.
- 270.—**Stanton.** Planted Spring 1897. Tree a strong grower.
- 271.—**Steptoe.** Planted Spring 1896. Tree a strong grower.
- 272.—**Stint.** Planted Spring 1893. Tree a medium grower. Fruit below medium size, roundish. Skin nearly red. Flesh orange, juicy, sweet, with a fine flavour. Season early August.
- 273.—**Stoddard.** In nursery.
- 274.—**Sugar.** Planted Spring 1890. Tree a vigorous grower. Fruit small, round. Skin very dark purple with a thin bluish bloom. Flesh greenish, sweet, juicy. Season late August.
- 275.—**Sultan.** Planted Spring 1893. Tree a strong grower. Fruit above medium size, globular, with a suture. Skin light reddish purple, with a thin white bloom. Flesh yellow, juicy, sweet, with a pleasant flavour. Season last of August.
- 276.—**Swan (Rivers').** In nursery.
- 277.—**Swan's Golden.** Planted Spring 1896. Tree a vigorous grower.
- 278.—**Tatge.** Planted Spring 1897. Tree a strong grower.

- 279.—**Tenant Prune.** Planted Spring 1893. Tree a strong grower. Fruit medium to large, oblong, oval, with a shallow suture. Skin reddish purple, with a whitish bloom. Flesh yellow, firm, sweet, with a pleasant flavour. Season August.
- 280.—**Throop.** Planted Spring 1896. Tree a strong grower.
- 281.—**Throop** (No. 1). Planted Spring 1896. Tree a vigorous grower.
- 282.—**Throop** (No. 2). Planted Spring 1896. Tree a strong grower.
- 283.—**The Czar.** Planted Spring 1893. Tree a strong grower. Fruit above medium size, oval. Skin dark purple, with a whitish bloom. Flesh yellow, sweet, juicy, with a pleasant flavour. Season last of July.
- 284.—**Tragedy Prune.** Planted Spring 1896. Tree a strong grower.
- 285.—**Transparent.** Planted Spring 1893. Tree a straggling weak grower. Fruit small, roundish. Skin clear yellow. Flesh yellow, moderately juicy, with a pleasant flavour. Season September.
- 286.—**Transparent Gage.** Planted Spring 1893. Tree a vigorous grower. Fruit of medium size, round. Skin greenish yellow, with specks and splashes of red. Flesh greenish yellow, tender, juicy and sweet. Season September.
- 287.—**Ungarische.** Planted Spring 1896. Tree a strong grower.
- 288.—**Van Buren.** Planted Spring 1896. Tree a moderate grower.
- 289.—**Van Deman.** Planted Spring 1896. Tree a moderate grower.
- 290.—**Victoria.** Planted Spring 1890. Tree a vigorous grower. Fruit large, roundish, oval. Skin light yellow, marbled with lilac and with many gray dots and a thin bloom. Flesh golden, firm, moderately juicy. Season September.
- 291.—**Violet.** Planted Spring 1896. Tree a strong grower.
- 292.—**Wangenheim.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, oval. Skin deep purple with a blue bloom. Flesh greenish, juicy, sweet and rich. Season August.
- 293.—**Washington.** Planted Spring 1890. Tree a vigorous grower. Fruit large, globular, with a shallow suture. Skin deep yellow, with a pale red blush. Flesh yellow, firm, juicy, sweet and luscious. Season August.
- 294.—**Wayland.** Planted Spring 1891. Tree a weak grower.
- 295.—**Weaver.** Planted Spring 1890. Tree a medium grower, but does not bear fruit.
- 296.—**White Honey Damson.** Planted Spring 1895. Tree a strong grower.
- 297.—**White Nicholas.** Planted Spring 1893. Tree a moderate grower.
- 298.—**Whyte's Red Seedling.** In nursery.
- 299.—**Willard.** Planted Spring 1894. Tree a weak grower.
- 300.—**Wolf.** In nursery.
- 301.—**Wood.** Planted Spring 1896. Tree a moderate grower.
- 302.—**Wooten.** Planted Spring 1892. Tree a moderate grower. Fruit small. Skin yellow, nearly covered with red. Flesh yellow, juicy, with a pleasant flavour. Season early August.
- 303.—**Wyedale.** In nursery.
- 304.—**Wyant.** Planted Spring 1893. Tree a free grower but does not bear fruit.
- 305.—**Yellow Japan.** Planted Spring 1896. Tree a vigorous grower.
- 306.—**Yellow Moldavka.** In nursery.
- 307.—**Yellow Negate.** Planted Spring 1895. Tree a strong but irregular grower.
- 308.—**Yellow Sweet.** Planted Spring 1898. Tree a medium grower.
- 309.—**Yellow Voronesh.** Planted Spring 1893. Tree a strong grower. Fruit of medium size, oblong, tapering to stalk. Skin yellow. Flesh yellow, not juicy, quality poor. Season early August.
- 310.—**Yosobe.** Planted Spring 1893. Tree a strong but spreading grower. Fruit small, roundish, heart shape. Skin yellowish with a red blush. Flesh rather dry and not of very pleasant flavour. Season August.
- 311.—**Yunken Golden.** Planted Spring 1894. Tree a strong grower. Fruit small, globular. Skin a reddish golden. Flesh yellow, juicy, rich, with a pleasant flavour. Season August.

CATALOGUE

OF

CHERRY TREES

- 1.—**Abbesse d'Oignies.** In nursery.
- 2.—**Amarelle Hative.** In nursery.
- 3.—**Angleterre Hative.** Planted Spring 1895.
Tree a strong grower. Fruit above medium size, round, flattened. Skin deep red. Flesh juicy, tender, sprightly, stone small. Season early July.
- 4.—**Angleterre Tardive.** Planted Spring 1895. Tree a strong grower and free bearer. Fruit above medium size, heart shape. Skin deep glossy red. Flesh reddish, tender, juicy, sprightly, refreshing. Season July.
- 5.—**Archduke.** Planted Spring 1893. Tree a strong grower. Fruit large, obtuse heart shape, with a shallow suture. Skin dark glossy red. Flesh red, juicy, nearly sweet. Season June.
- 6.—**Belle Agathe.** In nursery.
- 7.—**Belle de Choisy.** Planted Spring 1892.
Tree a moderate grower. Fruit of medium size, nearly round. Skin a yellowish transparent red. Flesh yellowish, tender, juicy and sweet. Season last of June.
- 8.—**Belle de Montreuil.** Planted Spring 1900. Tree a weak grower.
- 9.—**Belle d'Orléans.** Planted Spring 1896.
Tree a vigorous grower. Fruit large, oblong. Skin yellowish, with a mottled red cheek. Flesh juicy, sweet, refreshing. Season last of May.
- 10.—**Belle Magnifique.** Planted Spring 1894.
Tree a strong grower. Fruit large, roundish, somewhat heart shape. Skin glossy red. Flesh red, juicy, tender, nearly sweet. Season last of June.
- 11.—**Belle of Marienhöhe.** Planted Spring 1896. Tree a strong grower.
- 12.—**Berlin Amarelle.** Planted Spring 1896.
Tree a strong grower.
- 13.—**Bessarabian.** Planted Spring 1890. Tree a strong grower. Fruit below medium size. Skin dark red. Flesh red, tender, juicy, sub-acid, pleasant. Season early July.
- 14.—**De Belleu.** In nursery.
- 15.—**Bigarreau de Donnisen.** In nursery.
- 16.—**Bigarreau Jaboulay.** Planted Spring 1900. Tree a poor grower.
- 17.—**Bigarreau Mongin.** Planted Spring 1900.
Tree a weak grower.
- 18.—**Bigarreau pleureur.** In nursery.
- 19.—**Bigarreau rouge.** In nursery.
- 20.—**Bing.** Planted Spring 1895. Tree a vigorous grower.
- 21.—**Black Cluster.** In nursery
- 22.—**Black Eagle.** Planted Spring 1890. Tree a strong grower. Fruit large, obtuse heart shape. Skin nearly black. Flesh purple, tender and rich. Season early July.
- 23.—**Black Hawk.** In nursery.
- 24.—**Black Heart.** Planted Spring 1890. Tree a strong grower. Fruit above medium size, heart shape. Skin dark, glossy purple. Flesh firm, moderately juicy, sweet with a high flavour. Season last of June.
- 25.—**Black Republic.** Planted Spring 1890.
Tree a strong grower. Fruit large. Skin dark purple. Flesh dark red, firm, sweet, quality good. Season July.
- 26.—**Black Tartarian.** Planted Spring 1890.
Tree a strong grower. Fruit large, obtuse heart shape. Skin glossy, dark purple. Flesh purple, tender, juicy, quality very good. Season last of June.
- 27.—**Boppard's Early.** Planted Spring 1896.
Tree a vigorous grower. Fruit large, obtuse heart shape. Skin dark glossy red, mottled with faint whitish lines. Flesh reddish, juicy, firm and sweet. Season last of May.

- 28.—**Brindilles.** In nursery.
- 29.—**Brusseler Braun.** Planted Spring 1894. Tree a fair grower. Fruit above medium size, roundish. Skin dark red. Flesh red, juicy, sprightly and refreshing. Season July.
- 30.—**Buttner's Late Red.** Planted Spring 1896. Tree a strong grower. Fruit large, heart shape. Skin deep glossy red, with white dots. Flesh yellow, juicy, firm and sweet. Season early June.
- 31.—**Buttner's Yellow.** Planted Spring 1900. Tree a medium grower.
- 32.—**Carnation.** Planted Spring 1895. Tree a medium grower. Fruit of medium size, round. Skin yellowish red. Flesh tender, firm, juicy and sprightly. Season early July.
- 33.—**Centennial.** Planted Spring 1892. Tree a moderate grower. Fruit large, pale red. Flesh firm, juicy, rich and sweet. Season July.
- 34.—**Cerise d'Ostheim.** Planted Spring 1894. Tree a moderate grower. Fruit small, round, flattened. Skin dark red. Flesh red, crisp, juicy and pleasant. Season early July.
- 35.—**Champagne.** Planted Spring 1890. Tree a vigorous grower. Fruit of medium size, roundish, heart shape. Skin bright red. Flesh yellowish red, firm, juicy and sweet. Season last of June.
- 36.—**Chatenay.** Planted Spring 1896. Tree a moderate grower.
- 37.—**Cleveland.** Planted Spring 1894. Tree a vigorous grower.
- 38.—**Cobourg.** Planted Spring 1896. Tree a vigorous grower.
- 39.—**Coe's Transparent.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, round. Skin pale reddish yellow. Flesh juicy, tender, sweet with a pleasant flavour. Season June.
- 40.—**Crown Prince.** Planted Spring 1896. Tree a vigorous grower. Fruit above medium size, heart shaped. Skin yellow with a pale red cheek. Flesh whitish, juicy, sweet and refreshing. Season early June.
- 41.—**Cumberland.** Planted Spring 1890. Tree a vigorous but spreading grower. Fruit large. Skin yellowish red. Flesh juicy, tender and sweet. Season last of June.
- 42.—**Datge.** Planted Spring 1897. Tree a moderate grower.
- 43.—**Deacon.** Planted Spring 1895. Tree a strong grower. Fruit large, pointed heart shape. Skin dark red. Flesh firm, juicy, sprightly and sweet. Season early July.
- 44.—**De Belleu.** Planted Spring 1899. Tree a moderate grower.
- 45.—**De Planchoury.** Planted Spring 1895. Tree a strong grower. Fruit above medium size, round. Skin deep red. Flesh juicy, tender, pleasantly acid and refreshing. Season early July.
- 46.—**De Vaux.** In nursery.
- 47.—**Double Nette.** Planted Spring 1896. Tree a weak grower.
- 48.—**Downer's Late Red.** Tree a medium grower. Fruit large, roundish, oval. Skin pale red, mottled with yellow. Flesh tender, juicy and sweet. Season early July.
- 49.—**Downton.** Planted Spring 1893. Tree a fair grower. Fruit large, heart shaped. Skin pale reddish yellow, with a few red dots. Flesh yellow, juicy and pleasant. Season early July.
- 50.—**Duchess of Angoulême.** Planted Spring 1896. Tree a strong grower. Fruit below medium size. Skin dark glossy red. Flesh yellowish, juicy, with a pleasant flavour. Season early June.
- 51.—**Duchess of Pallau.** Planted Spring 1895. Tree a moderate grower. Fruit above medium size, obtusely heart shaped. Skin dark red. Flesh tender, juicy, dark red, sprightly, with a pleasant flavour. Season July.
- 52.—**Dyehouse.** Planted Spring 1892. Tree a moderate grower. Fruit of medium size, roundish. Skin bright red. Flesh tender, juicy, sprightly, with a pleasant flavour. Season June.
- 53.—**Early Juicy.** Planted Spring 1896. Tree a strong grower.
- 54.—**Early Lyons.** Planted Spring 1893. Tree a strong but spreading grower. Fruit of medium size. Pointed heart shape. Skin deep glossy red. Flesh reddish, moderately juicy, tender and sweet. Season early June.
- 55.—**Early Mathere.** Planted Spring 1896. Tree a medium grower. Fruit of medium size, oval. Skin dark glossy red. Flesh firm, moderately juicy, red, sweet, with a pleasant flavour, stone small. Season last of May.
- 56.—**Early May.** Planted Spring 1896. Tree a vigorous grower.
- 57.—**Early Mottled.** Planted Spring 1896. Tree a vigorous grower. Fruit of medium size, obtuse, heart shaped. Skin yellow mottled with red. Flesh yellowish white, tender, juicy and sweet. Season middle of May.
- 58.—**Early Purple Guigne.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, roundish, heart shaped. Skin smooth, dark red. Flesh dark red, tender, juicy, sweet and rich. Season May.

- 59.—**Early Richmond.** Planted Spring 1890.
Tree a medium grower. Fruit of medium size, round, flattened. Skin glossy red. Flesh red, juicy, sprightly acid. Season early June. This cherry is also known under the name of Kentish Red.
- 60.—**Early Rivers.** Planted Spring 1893. Tree a strong grower. Fruit of medium size, round, flattened. Skin red, with small white dots. Flesh reddish, juicy, firm and sweet. Season early June.
- 61.—**Elton.** Planted Spring 1890. Tree a strong grower. Fruit large, heart shaped. Skin pale yellow, mottled with bright red. Flesh tender, juicy, with a pleasant flavour. Season June.
- 62.—**Emperor Francis.** In nursery.
- 63.—**Empress Eugénie.** Planted Spring 1890. Tree a moderate and upright grower. Fruit large, roundish, flattened. Skin glossy dark red. Flesh reddish, juicy, tender, rich, sub-acid. Season June.
- 64.—**English Morello.** Planted Spring 1890. Tree a moderate grower. Fruit of medium size, round. Skin dark red. Flesh dark red, juicy, tender, sub-acid. Season July.
- 65.—**Florence.** Planted Spring 1890. Tree a strong grower. Fruit large, roundish, heart shaped. Skin pale yellow, mottled with bright red. Flesh amber coloured, firm, juicy, sweet. Season early June.
- 66.—**Fromm's Heart.** Planted Spring 1896. Tree a strong grower.
- 67.—**Frogmore Early Bigarreau.** Planted Spring 1893. Tree a strong grower. Fruit large, heart shaped. Skin yellow, with a reddish cheek. Flesh whitish, firm, juicy and sweet. Season early July.
- 68.—**Géant d'Hedelfinger.** In nursery.
- 69.—**Germersdorf.** Planted Spring 1896. Tree a vigorous grower.
- 70.—**Glaskirsch Doppelte.** Planted Spring 1892. Tree a medium grower. Fruit of medium size, round, flattened. Skin dark red. Flesh red, sprightly, with a pleasant flavour. Season early July.
- 71.—**Governor Wood.** Planted Spring 1890. Tree a strong grower. Fruit above medium size, roundish, heart shaped. Skin light yellow, marbled with clear red. Flesh tender, juicy, sweet, with a very pleasant flavour. Season June.
- 72.—**Great Bigarreau.** Planted Spring 1890. Tree a strong grower. Fruit large, obtuse, heart shaped. Skin very dark red. Flesh firm and juicy, with a pleasant flavour. Season June.
- 73.—**Griotte Acher.** Planted Spring 1900. Tree a weak grower.
- 74.—**Griotte du Nord.** Planted Spring 1894. Tree a medium grower. Fruit large medium, round. Skin dark red. Flesh red, juicy, sprightly, with a pleasant flavour. Season July.
- 75.—**Griotte d'Ostheim.** Planted Spring 1894. Tree a medium grower. Fruit below medium size, round. Skin clear light red. Flesh juicy, sprightly, with a pleasant flavour. Season early July.
- 76.—**Gros Gobet.** Planted Spring 1900. Tree a weak grower.
- 77.—**Grosse Transparente.** In nursery.
- 78.—**Gruner Glass.** Planted Spring 1894. Tree a medium grower. Fruit of medium size, round. Skin dark red. Flesh juicy, mildly sub-acid, with a good flavour when fully ripe. Season early July.
- 79.—**Guben.** Planted Spring 1896. Tree a strong grower.
- 80.—**Guigne Choque.** Planted Spring 1900. Tree a moderate grower.
- 81.—**Guigne de Lamaurie.** In nursery.
- 82.—**Guigne de Louvain.** In nursery.
- 83.—**Guigne Garcine.** In nursery.
- 84.—**Heart Shaped Weichsel.** Planted Spring 1894. Tree a moderate grower.
- 85.—**Hedelfinger.** Planted Spring 1896. Tree a strong grower.
- 86.—**Hoskins.** Planted Spring 1897. Tree a vigorous grower.
- 87.—**Kassin's Early.** Planted Spring 1896. Tree a strong grower. Fruit of medium size, obtuse, heart shaped. Skin dark red. Flesh dark red, firm, juicy and sweet. Season May.
- 88.—**King's Morello.** Planted Spring 1894. Tree a moderate grower. Fruit of medium size, round. Skin pale red. Flesh yellowish white, juicy, tender and sprightly. Season late June.
- 89.—**Kirchheimer.** Planted Spring 1896. Tree a strong grower.
- 90.—**Kirtland's Mary.** Planted Spring 1894. Tree a strong upright grower. Fruit above medium size, heart shaped. Skin yellow, mottled with light and dark red. Flesh yellowish, firm, juicy and sweet. Season June.
- 91.—**Knight's Early Black.** Planted Spring 1890. Tree a strong grower. Fruit above medium size, obtusely heart shaped. Skin black. Flesh dark purple, tender, juicy and sweet. Season early June.
- 92.—**Koslov Morello.** Planted Spring 1895. Tree a slow grower.
- 93.—**Lade's Late.** Planted Spring 1896. Tree a strong grower.
- 94.—**Lambert.** Planted Spring 1897. Tree a strong grower.
- 95.—**Late Duke.** Planted Spring 1890. Tree a strong grower. Fruit large, obtusely heart shaped. Skin dark glossy red. Flesh yellowish, tender, juicy and sub-acid, with a pleasant flavour. Season late June.

- 96.—**Lemercier.** In nursery.
- 97.—**Lieb.** Planted Spring 1890. Tree a vigorous grower. Fruit small roundish. Skin red. Flesh juicy, tender, pleasantly sub-acid. Season last of June.
- 98.—**Lithauer.** Planted Spring 1890. Tree a vigorous grower. Fruit small. Skin dark red. Flesh dark red, juicy, sub-acid. Season July.
- 99.—**Louis Phillippe.** Planted Spring 1890. Tree a strong grower. Fruit above medium size, roundish. Skin dark red. Flesh red, tender, juicy and sprightly. Season July.
- 100.—**Love Apple.** Planted Spring 1890. Tree a strong grower. Fruit large, roundish. Skin clear red. Flesh whitish, juicy, tender and sweet, with a pleasant flavour. Season late June.
- 101.—**Lucien.** Planted Spring 1896. Tree a strong grower. Fruit large, obtusely heart shaped. Skin glossy red, with fine white lines. Flesh yellowish, juicy, tender, sweet and luscious. Season middle of June.
- 102.—**Luelling.** Planted Spring 1891. Tree a medium grower. Fruit above medium size. Skin dark red. Flesh red, firm and juicy, with a pleasant flavour. Season July.
- 103.—**Lutovka.** Planted Spring 1891. Tree a moderate grower. Fruit small, round. Skin dark red. Flesh whitish, firm, juicy, pleasantly sub-acid. Season July.
- 104.—**May Duke.** Planted Spring 1890. Tree a strong grower. Fruit roundish, heart shaped. Skin a glossy red. Flesh reddish, tender, juicy, with a fine flavour. Season early June.
- 105.—**Mercer.** Planted Spring 1894. Fruit large, obtusely heart shaped, flattened and with a suture. Skin dark red. Flesh red, firm and sweet, with a pleasant flavour. Season July.
- 106.—**Monstreuse de Mezel.** Planted Spring 1890. Tree a strong grower. Fruit large, obtusely heart shaped. Skin dark red. Flesh firm, juicy and sweet. Season June.
- 107.—**Montmorency.** Planted Spring 1890. Tree a strong grower. Fruit of medium size. Skin bright red. Flesh tender, juicy and pleasantly sub-acid. Season July.
- 108.—**Montmorency Bretonneau.** In nursery.
- 109.—**Montmorency à Courte Queue.** Planted Spring 1895. Tree a vigorous grower and productive. Fruit of medium size, round. Skin bright clear red. Flesh yellowish white, juicy, sprightly and refreshing. Season last of July.
- 110.—**Montmorency de Sauvigny.** In nursery.
- 111.—**Montmorency Pleureur.** In nursery.
- 112.—**Morella Wye.** In nursery.
- 113.—**Napoleon.** Planted Spring 1890. Tree a strong grower. Fruit large, oblong. Skin clear yellow, marbled and dotted with rich red. Flesh whitish, firm and juicy. Season last of June.
- 114.—**Nouvelle Royale.** Planted Spring 1893. Tree a strong grower. Fruit large, roundish, heart shaped. Skin bright glossy red, mottled with darker red. Flesh white, juicy, firm, sprightly, with a pleasant flavour. Season July.
- 115.—**Ohio Beauty.** Planted Spring 1891. Tree a strong grower. Fruit large, heart shaped. Skin deep red, with whitish dots. Flesh yellowish, juicy and sweet. Cracks if weather is wet when ripening. Season early June.
- 116.—**Olivet.** Planted Spring 1891. Tree a medium grower. Fruit large, globular. Skin deep glossy red. Flesh reddish, juicy, rich, sub-acid, refreshing, with a pleasant flavour. Season July.
- 117.—**Orel (No. 23).** Planted Spring 1894. Tree a moderate grower. Fruit small, roundish. Skin yellow. Flesh white, juicy, mildly acid when fully ripe. Season July.
- 118.—**Orel (No. 24).** Planted Spring 1894. Tree a moderate grower. Fruit of medium size, round. Skin bright red. Flesh yellowish white, juicy, tender, mildly sub-acid with a pleasant flavour. Season late June.
- 119.—**Orel (No. 27).** Planted Spring 1894. Tree a moderate grower.
- 120.—**Ostheim.** Planted Spring 1890. Tree a moderate grower. Fruit of medium size, round. Skin dark red. Flesh reddish, tender, juicy, mildly sub-acid. Season July.
- 121.—**Ox-Heart.** Planted Spring 1896. Tree a strong grower.
- 122.—**Parent.** Planted Spring 1890. Tree a vigorous but slender grower. Fruit below medium size, round, dark red, juicy, sub-acid. Season late June.
- Planchoury—See De Planchoury.**
- 123.—**Plymouth Rock.** Planted Spring 1898. Tree a weak grower.
- 124.—**Princess.** Planted Spring 1896. Tree a strong grower.
- 125.—**Red May.** Planted Spring 1896. Tree a strong grower. Fruit of medium size, round. Skin clear glossy red. Flesh yellowish, firm, juicy, sprightly and refreshing. Season early June.
- 126.—**Reine Hortense.** Planted Spring 1890. Tree a strong grower. Fruit above medium size, obtusely heart shaped. Skin glossy red. Flesh tender, juicy and sweet. Season early June.
- 127.—**Round Sweet.** Planted Spring 1896. Tree a strong grower.

- 128.—**Royal Amarelle.** Planted Spring 1896. Tree a vigorous grower. Fruit of medium size, round, flattened at the ends. Skin glossy red. Flesh yellowish, tender, juicy, sprightly, with a pleasant flavour. Season June.
- 129.—**Royal American.** Planted Spring 1890. Tree a strong grower. Fruit large. Skin light red with dark red on the sunny side. Flesh yellowish white, firm, juicy, with a fine flavour. Season July.
- 130.—**Royal Duke.** Planted Spring 1893. Tree a strong grower. Fruit medium to large, roundish heart shaped, with a suture. Skin yellowish red, mottled with spots and dots of dark red. Flesh yellowish white, firm, juicy, mildly sub-acid. Season late June.
- 131.—**Schmehl's.** Planted Spring 1896. Tree a strong grower.
- 132.—**Schmidt's Bigarreau.** Planted Spring 1894. Tree a strong grower. Fruit large, heart shaped. Skin deep red. Flesh yellowish, firm, juicy and sweet. Season late June.
- 133.—**Schmidt's Bigarreau (No. 2).** Planted Spring 1895. Tree a strong grower. Fruit large, nearly round. Skin very dark purple. Flesh red, firm, juicy, sweet with a fine flavour. Season late June.
- 134.—**Shadow Amarelle.** Planted Spring 1892. Tree a vigorous but slender grower. Fruit of medium size, round. Skin yellowish red. Flesh yellowish, juicy, tender, sub-acid. Season July.
- 135.—**Spanish Black.** Planted Spring 1896. Tree a vigorous grower.
- 136.—**Sparhawk's Honey.** Planted Spring 1894. Tree a strong and upright grower. Fruit of medium size, roundish, oblong. Skin pale red. Flesh yellowish, juicy, and sweet. Season last of June.
- 137.—**Strauss' Weichsel.** Planted Spring 1894. Tree a vigorous grower. Fruit of medium size, globular. Skin deep red. Flesh reddish, juicy, sprightly, with a pleasant flavour. Season June.
- 138.—**Suda Hardy.** In nursery.
- 139.—**Sylva de Palluan.** In nursery.
- 140.—**Thompson's Tartarian.** In nursery.
- 141.—**Toronto.** Planted Spring 1897. Tree a strong grower.
- 142.—**Tradescant's Black Heart.** Planted Spring 1896. Tree a strong grower.
- 143.—**Vaughn's Early.** Planted Spring 1896. Tree a medium grower.
- 144.—**Vilne's Sweet.** Planted Spring 1896. Tree a strong grower. Fruit large, round, obtusely heart shaped, with a suture. Skin yellow, mottled with pale red. Flesh whitish, firm, juicy, sweet with a pleasant flavour. Season June.
- 145.—**Vladimir.** Planted Spring 1890. Tree a vigorous but slender grower. Fruit of medium size, round. Skin light red. Flesh juicy, tender, sub-acid, slightly astringent until very ripe. Season July.
- 146.—**Waterloo.** Planted Spring 1893. Tree a strong and spreading grower. Fruit large, obtusely heart shaped. Skin dark red. Flesh reddish, tender, juicy, sweet. Season last of June.
- 147.—**Werder's Early Black Heart.** Planted Spring 1896. Tree a strong grower.
- 148.—**White Heart.** Planted Spring 1893. Tree a strong grower. Fruit below medium size, pointed, heart shaped. Skin reddish yellow, mottled with red of a darker shade. Flesh yellowish white, firm, moderately juicy, with a pleasant flavour. Season last of June.
- 149.—**Willamette.** Planted Spring 1890. Tree a strong grower. Fruit large. Skin light red. Flesh whitish, firm, juicy, sweet, with a pleasant flavour. Season late June.
- 150.—**Will's Early.** Planted Spring 1896. Tree a strong grower. Fruit of medium size, round, bluntly heart shaped. Skin yellow, mottled with red. Flesh firm, juicy, sweet, with a pleasant flavour. Season early May.
- 151.—**Windsor.** Planted Spring 1890. Tree a strong grower. Fruit large, round. Skin dark glossy purple. Flesh reddish, firm, juicy, sweet. Season July.
- 152.—**Winkler's Black.** Planted Spring 1896. Tree a strong grower.
- 153.—**Winkler's White.** Planted Spring 1896. Tree a strong grower. Fruit large, heart shaped. Skin pale yellow, with a light red blush. Flesh firm, juicy, sweet, with a pleasant flavour. Season early June.
- 154.—**Yellow Spanish.** Planted Spring 1890. Tree a strong grower. Fruit large, obtusely heart shaped. Skin pale yellow, with a bright red blush on the sunny side. Flesh pale yellow, firm, juicy, rich and sweet, with a pleasant flavour. Season June.

CATALOGUE

OF

PEACH TREES

- 1.—**Admirable Jaune.** Planted Spring 1899. Tree a slow grower.
- 2.—**Aiken.** Planted Spring 1890. Tree a vigorous grower but not productive.
- 3.—**Allright.** Planted Spring 1899. Tree a vigorous grower.
- 4.—**Alexander.** Planted Spring 1890. Tree a vigorous grower and moderately productive. Fruit of medium size, globular. Skin greenish white, nearly covered with deep red, and almost purple on sunny side. Flesh greenish white, melting, juicy, sweet, good. Season last of July and early August.
- 5.—**Alexandra Noblesse.** Planted Spring 1890. Tree a vigorous grower. Fruit large, nearly round, suture deep. Skin whitish, with small red spots next the sun. Flesh white, tender, juicy, rich. Season last of August.
- 6.—**Alexis Lepère.** Planted Spring 1899. Tree a slow grower.
- 7.—**Amelia.** Planted Spring 1892. Tree a strong grower. Fruit of medium size, oblong, with a shallow suture. Skin yellow, with a blush in the sun. Flesh white, juicy, melting, sweet. Season last of September.
- 8.—**Amsden.** Planted Spring 1890. Tree a strong grower and productive. Fruit of medium size, roundish, with a wide suture. Skin greenish white, nearly covered with red. Flesh white, tender, juicy, sweet. Season early August.
- 9.—**Argenta.** Planted Spring 1899. Tree a moderate grower.
- 10.—**Arkansas Mammoth.** Planted Spring 1894. Tree a strong grower. Fruited but fruit did not ripen.
- 11.—**Arkansas Traveller.** Planted Spring 1894. Tree a strong grower. Fruit of medium size, globular, with a deep suture. Skin yellow, with a deep red cheek and a light red over nearly the whole surface. Flesh whitish, juicy, sweet. Season last of July.
- 12.—**Barnard's Rare Ripe.** Planted Spring 1891. Tree a strong grower. Fruit of medium size, with a shallow suture. Skin rich yellow, almost covered with dots and splashes of deep red. Flesh yellow, juicy, rich and of fine quality. Season last of August and early September.
- 13.—**Barnes.** Planted Spring 1894. Tree a slow grower.
- 14.—**Barrington.** Planted Spring 1893. Tree a moderate grower. Fruit above medium size, globular, with a suture and frequently one side considerably enlarged. Skin creamy yellow, with splashes of light red in the sun. Flesh whitish, with a red tint next the stone, tender, juicy, rich. Season last of September.
- 15.—**Bear's Late.** Planted Spring 1894. Tree a strong grower. Fruited but fruit did not mature.
- 16.—**Beatrice.** Planted Spring 1899. Tree a moderate grower.
- 17.—**Belle de Doné.** Planted Spring 1896. Tree a slow grower.
- 18.—**Belle Bausse.** Planted Spring 1899. Tree a slow grower.
- 19.—**Belle de Bade.** Planted Spring 1899. Tree a moderate grower.
- 20.—**Belle de Bordeaux.** Planted Spring 1899. Tree a moderate grower.
- 21.—**Belle Impériale.** Planted Spring 1899. Tree a moderate grower.
- 22.—**Bellyea's Late.** Planted Spring 1891. Tree a vigorous grower. Too late for this climate. Fruit does not ripen.
- 23.—**Bequett Free.** Planted Spring 1894. Tree a strong grower. Does not mature its fruit.
- 24.—**Bequett Cling.** Planted Spring 1894. Tree a strong grower. Fruit does not come to maturity.
- 25.—**Bergen's Yellow.** Planted Spring 1894. Tree a moderate grower.
- 26.—**Bishop.** Planted Spring 1892. Tree a strong grower.

- 27.—**Blood Free.** Planted Spring 1894. Tree a medium grower.
- 28.—**Bokara.** Planted Spring 1896. Tree a slow grower.
- 29.—**Bonanza.** Planted Spring 1894. Tree a moderate grower.
- 30.—**Brigg's Red May.** Planted Spring 1896. Tree a slow grower.
- 31.—**Burke.** Planted Spring 1891. Tree a vigorous grower. Fruit does not ripen.
- 32.—**Chair's Choice.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, globular, with a shallow suture. Skin yellow, with a deep red cheek. Flesh yellow, firm, sweet, not very juicy. Season last of September.
- 33.—**Champion.** Planted Spring 1893. Tree a strong grower.
- 34.—**Chas. Wood.** Planted Spring 1894. Tree a medium grower.
- 35.—**Chinese Blood.** Planted Spring 1891. Tree a strong grower and regular bearer, but fruit does not mature.
- 36.—**Chinese Cling.** Planted Spring 1892. Tree a strong grower. Fruit large, globular. Skin yellowish white, with a little red in the sun. Flesh whitish, but does not mature sufficiently to develop its flavour. Season October.
- 37.—**Christiana.** Planted Spring 1894. Tree a moderate grower.
- 38.—**Coe's Golden Cling.** Planted Spring 1890. Tree a strong grower. Fruit does not ripen here.
- 39.—**Columbia.** Planted Spring 1892. Tree a strong grower, but fruit does not ripen here.
- 40.—**Condor.** Planted Spring 1893. Tree a slow grower.
- 41.—**Cooley's Mammoth.** Planted Spring 1891. Tree a moderate grower. Fruit of medium size, nearly globular, with a deep suture. Skin bright yellow, with a red cheek. Flesh yellow, juicy, sprightly. Season late September.
- 42.—**Cooledge's Favourite.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, roundish. Skin white, with a mottled red cheek. Flesh white, juicy, sweet, with a rich flavour. Season last of August.
- 43.—**Crane's Early Yellow.** Planted Spring 1892. Tree a vigorous grower. Fruit of medium size, round, with a shallow suture. Skin creamy white, with a red cheek. Flesh yellowish white, juicy, melting with a rich flavour. Season middle of August.
- 44.—**Crimson Galande.** Planted Spring 1893. Tree a weak grower.
- 45.—**Crosby.** Planted Spring 1894. Tree a strong grower.
- 46.—**Crother's.** Planted Spring 1892. Tree a strong grower. Fruit does not ripen here.
- 47.—**Cumberland.** Planted Spring 1899. Tree a moderate grower.
- 48.—**Du Canada.** Planted Spring 1899. Tree a moderate grower.
- 49.—**De Halle.** Planted Spring 1899. Tree a weak grower.
- 50.—**De Napier.** Planted Spring 1899. Tree a medium grower.
- 51.—**Doctor Hogg.** Planted Spring 1893. Tree a slow grower.
- 52.—**Downing.** Planted Spring 1899. Tree a medium grower.
- 53.—**Druid Hill.** Planted Spring 1891. Tree a strong grower. Fruit small, globular, with a shallow suture. Skin yellow, with many small red dots. Flesh greenish white, juicy, tender, sweet. Season last of September.
- 54.—**Early Barnard.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, roundish, with a deep suture. Skin deep yellow, with a red cheek. Flesh yellowish, juicy, sweet, quality good. Season early September.
- 55.—**Early Beatrice.** Planted Spring 1890. Tree a strong grower. Fruit small, roundish. Skin whitish, with a marbled red cheek. Flesh juicy, melting, with a rich flavour. Season middle of August.
- 56.—**Early Canada.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, nearly globular, suture shallow. Skin greenish yellow, splashed with bright red. Flesh whitish, juicy, sweet, quality good. Season early August.
- 57.—**Early Charlotte.** Planted Spring 1892. Tree a strong grower.
- 58.—**Early Crawford.** Planted Spring 1890. Tree a strong grower. Fruit large, globular, with a shallow suture. Skin creamy yellow, shaded with red. Flesh yellow, juicy, melting and sweet. Season last of August and early September.
- 59.—**Early Cronesteyn.** Planted Spring 1896. Tree a slow grower.
- 60.—**Early Purple.** Planted Spring 1896. Tree a medium grower.
- 61.—**Early Rivers.** Planted Spring 1890. Tree a strong grower. Fruit large. Skin white, with a light red cheek. Flesh juicy, melting and high flavoured. Season late August.
- 62.—**Early Silver.** Planted Spring 1890. Tree a strong grower. Fruit large, oblong, globe shaped. Skin creamy white, with a light blush. Flesh white, juicy, melting, sprightly, quality good. Season early September.

- 63.—**Early Toledo.** Planted Spring 1894. Tree a strong grower. Fruit large, round, with a deep suture. Skin creamy white, with a bright red cheek. Flesh whitish, juicy, sweet with a fine flavour. Season middle of August.
- 64.—**Early York.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, roundish. Skin pale red, with a dark red cheek in the sun. Flesh greenish white, tender, juicy and rich. Season early August.
- 65.—**Eaton's Golden.** Planted Spring 1894. Tree a vigorous grower.
- 66.—**Elberta.** Planted Spring 1891. Tree a strong grower.
- 67.—**Eldred.** Planted Spring 1891. Tree a moderate grower.
- 68.—**Family Favourite.** Planted Spring 1892. Tree a strong grower.
- 69.—**Fitzgerald.** Planted Spring 1893. Tree a moderate grower.
- 70.—**Flater's St. John.** Planted Spring 1894. Tree a strong grower. Fruit below medium size, roundish, with a deep suture. Skin yellow, splashed with bright red nearly over the whole surface and with a deep red cheek in the sun. Flesh yellowish, juicy, sprightly, with a pleasant flavour. Season last of July.
- 71.—**Ford's Late.** Planted Spring 1891. Tree a strong grower. Fruit too late to ripen here.
- 72.—**Foster.** Planted Spring 1890. Tree a strong grower. Fruit large, roundish, sides somewhat unequal. Skin golden yellow, nearly overspread with dots and splashes of bright red. Flesh yellow, juicy, tender, with a rich flavour. Season last of August and early September.
- 73.—**Fourteen Ounce.** Planted Spring 1894. Tree a strong grower.
- 74.—**Fox's Seedling.** Planted Spring 1891. Tree a strong grower. Fruit roundish, with a shallow suture. Skin greenish white, with a light red cheek. Flesh white, juicy, sweet and melting. Season last of September.
- 75.—**Freehold.** Planted Spring 1897. Tree a moderate grower.
- 76.—**Gaylord.** Planted Spring 1892. Tree a strong grower.
- 77.—**Geary's Hold-on.** Planted Spring 1894. Tree a strong grower.
- 78.—**General Lee.** Planted Spring 1892. Tree a moderate grower.
- 79.—**General Taylor.** Planted Spring 1892. Tree a strong grower. Fruit large. Skin white, nearly covered with deep red. Flesh (reddish) white, juicy, sprightly, quality good. Season last of August.
- 80.—**George the Fourth.** Planted Spring 1891. Tree a moderate grower. Fruit large, round, with a deep suture. Skin whitish, dotted with bright red and with a bright red cheek. Flesh white, juicy, with a rich luscious flavour, quality good. Season late August.
- 81.—**Globe.** Planted Spring 1890. Tree a strong grower.
- 82.—**Golden Drop.** Planted Spring 1891. Tree a strong grower. Fruit of medium size, roundish, with a deep suture and sides unequal. Skin golden yellow. Flesh yellow, sweet, tender, but not very juicy. Season last of September.
- 83.—**Gold Dust.** Planted Spring 1894. Tree a weak grower.
- 84.—**Golden Dwarf.** Planted Spring 1894. Tree a weak grower.
- 85.—**Golden Eagle.** Planted Spring 1899. Tree a moderate grower.
- 86.—**Golden Rare Ripe.** Planted Spring 1891. Tree a strong grower. Fruit from medium to small, round, suture shallow. Skin golden yellow, dotted and splashed with red. Flesh yellow, tender, juicy and sprightly. Season early September.
- 87.—**Good.** Planted Spring 1891. Tree a strong grower. Fruit too late, does not ripen here.
- 88.—**Governor Briggs.** Planted Spring 1892. Tree a strong grower.
- 89.—**Governor Garland.** Planted Spring 1899. Tree a fair grower.
- 90.—**Grosse Mignonne.** Planted Spring 1893. Tree a moderate grower.
- 91.—**Gudgeon.** Planted Spring 1891. Tree a vigorous grower. Fruit of medium size, oval, with a shallow suture. Skin greenish yellow, streaked and dotted with red. Flesh white, fine grained, tender, juicy and sweet. Season last of September.
- 92.—**Hale's Early.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, round. Skin greenish, mottled and streaked with red. Flesh white, juicy and sweet. Season middle of August.
- 93.—**Hance's Golden.** Planted Spring 1891. Tree a strong grower. Fruit small, suture shallow with sides unequal. Skin yellow with a light red cheek. Flesh yellow, firm and juicy, with a pleasant flavour. Season last of September.
- 94.—**Heath Cling.** Planted Spring 1891. Tree a strong grower. Fruited, but it is too late to ripen here.
- 95.—**Heath Free.** Planted Spring 1891. Tree a vigorous grower. Fruit too late, does not ripen here.
- 96.—**Henrietta.** Planted Spring 1895. Tree a medium grower.

- 97.—**Hilborn.** Planted Spring 1890. Tree a vigorous grower. Fruit small, globular, with a shallow suture. Skin creamy yellow, with a red cheek. Flesh whitish, juicy, tender and sprightly. Season middle of August.
- 98.—**Hill's Chili.** Planted Spring 1891. Tree a medium grower. Fruit of medium size, oval, with a shallow suture. Skin yellow, with splashes of bright red. Flesh yellow, juicy and sweet. Season last of September.
- 99.—**Hoover's Heath.** Planted Spring 1894. Tree a moderate grower.
- 100.—**Hughes I. X. L.** Planted Spring 1891. Tree a strong grower. Fruited, but is too late to ripen here.
- 101.—**Husted's Early.** Planted Spring 1891. Tree a strong grower. Fruit above medium size, round, with a suture and one side enlarged. Skin greenish white, with a deep red cheek and pale red, nearly covering the whole surface. Flesh whitish, juicy, tender, with a pleasant flavour. Season early August.
- 102.—**Hyatt.** Planted Spring 1891. Tree a slow grower.
- 103.—**Hynes' Surprise.** Planted Spring 1891. Tree a strong grower. Fruit of medium size, roundish, with a shallow suture. Skin greenish white, splashed and mottled with red, nearly over the whole surface. Flesh white, melting and juicy, quality good. Season early August.
- 104.—**Indian Blood.** Planted Spring 1891. Tree a strong grower and free bearer but the fruit is too late to ripen here.
- 105.—**Infant Wonder.** Planted Spring 1892. Tree a moderate grower.
- 106.—**Ives' Blood Free.** Planted Spring 1894. Tree a moderate grower.
- 107.—**Japan Blood.** Planted Spring 1894. Tree a medium grower.
- 108.—**Jaques' Rare Ripe.** Planted Spring 1891. Tree a strong grower. Fruit small, nearly round, with a shallow suture. Skin golden yellow. Flesh yellow, sweet and tender, not very juicy. Season last of September.
- 109.—**Jarles' Late.** Planted Spring 1894. Tree a moderate grower.
- 110.—**Jennie Worthen.** Planted Spring 1892. Tree a medium grower.
- 111.—**Jessie Kerr.** Planted Spring 1894. Tree a strong grower. Fruit of medium size, roundish, with a well marked suture. Skin yellow, nearly overspread with splashes and stripes of bright red. Flesh yellowish white, juicy, sweet and rich. Season early August.
- 112.—**June Rose.** Planted Spring 1892. Tree a weak grower.
- 113.—**Kaloola.** Planted Spring 1891. Tree a strong grower.
- 114.—**Keyport White.** Planted Spring 1891. Tree a strong grower. Fruit does not mature here.
- 115.—**Keovit's Cling.** Planted Spring 1897. Tree a medium grower.
- 116.—**Large Early York.** Planted Spring 1890. Tree a strong grower. Fruit above medium size, roundish. Skin white, with a clear red cheek. Flesh white, juicy, tender and rich. Season last of August.
- 117.—**Late Crawford.** Planted Spring 1890. Tree a strong grower. Fruited, but ripens too late to mature here.
- 118.—**Lemon Cling.** Planted Spring 1890. Tree a strong grower. Fruited, but ripens too late to mature here.
- 119.—**Lemon Free.** Planted Spring 1891. Tree a strong grower and free producer. Fruit does not ripen here.
- 120.—**Levy's Late.** Planted Spring 1891. Tree a fair grower, and moderate bearer. Fruit too late to ripen here.
- 121.—**Lewis' Seedling.** Planted Spring 1892. Tree a strong grower. Fruit of medium size, round, with a deep suture. Skin orange, nearly overspread with red. Flesh yellow, juicy, sweet and rich. Season last of August.
- 122.—**Longhurst.** Planted Spring 1893. Tree a medium grower.
- 123.—**Lonoke.** Planted Spring 1894. Tree a moderate grower. Fruited, but fruit does not ripen here.
- 124.—**Lord Palmerston.** Planted Spring 1890. Tree a strong grower. Fruit large, roundish, with a broad suture. Skin whitish, with a pale red cheek. Flesh whitish, juicy, melting and rich. Season last of September.
- 125.—**Louise.** Planted Spring 1892. Tree a medium grower.
- 126.—**Lovett's White.** Planted Spring 1891. Tree a moderate grower. Too late for this climate, fruit does not ripen.
- 127.—**Madame Pynaert.** Planted Spring 1899. Tree a weak grower.
- 128.—**Madelaine.** Planted Spring 1899. Tree a moderate grower.
- 129.—**Madelaine de Courson.** Planted Spring 1899. Tree a moderate grower.
- 130.—**Magdala.** Planted Spring 1894. Tree a strong grower.
- 131.—**Malta.** Planted Spring 1890. Tree a strong grower.
- 132.—**Mamie Ross.** Planted Spring 1892. Tree a medium grower.

- 133.—**Marshall's Late.** Planted Spring 1891. Tree a strong grower. Fruit of medium size, oblong, with a shallow suture, one side enlarged. Skin yellow, sprinkled with small reddish dots. Flesh yellow, rather coarse and not very juicy. Season last of September.
- 134.—**Mary's Choice.** Planted Spring 1891. Tree a strong grower. Fruit small, nearly globular, suture shallow. Skin greenish yellow, with a red cheek. Flesh greenish white, firm, juicy and sprightly. Season early September.
- 135.—**Miller's Cling.** Planted Spring 1892. Tree a strong grower.
- 136.—**Minnie.** Planted Spring 1892. Tree a strong grower.
- 137.—**Miss Lolo.** Planted Spring 1892. Tree a medium grower.
- 138.—**Mr. Gladstone.** Planted Spring 1899. Tree a weak grower.
- 139.—**Mrs. Brett.** Planted Spring 1892. Tree a strong grower.
- 140.—**Moore's Favourite.** Planted Spring 1891. Tree a strong grower. Fruit of medium size, globular, with a shallow suture, nearly surrounding the fruit. Skin greenish white, with a red cheek. Flesh white, juicy and sprightly. Season last of September.
- 141.—**Mountain Rose.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, roundish, with a suture. Skin whitish, with a bright red cheek. Flesh whitish, juicy, sweet and of fine flavour. Season last of August.
- 142.—**Muir.** Planted Spring 1891. Tree a strong grower. Fruit small, nearly globular. Skin golden yellow. Flesh yellow, tender, juicy and sweet. Season middle of September.
- 143.—**New Prolific.** Planted Spring 1894. Tree a strong grower.
- 144.—**Noblesse.** Planted Spring 1893. Tree a strong grower. Fruit large, nearly globular. Skin greenish white, with a red cheek and red dots over nearly the whole surface. Flesh greenish white, very juicy, sweet and rich. Season middle of September.
- 145.—**Normand's Choice.** Planted Spring 1891. Tree a strong grower. Fruited, but fruit was too late to ripen here.
- 146.—**Onderdonk.** Planted Spring 1892. Tree a weak grower.
- 147.—**Old Mixon Free.** Planted Spring 1892. Tree a strong grower.
- 148.—**Old Mixon Cling.** Planted Spring 1892. Tree a strong grower. Fruited, but fruit was too late to ripen here.
- 149.—**Orange Cling.** Planted Spring 1892. Tree a strong grower.
- 150.—**Parks Late.** Planted Spring 1894. Tree a strong grower.
- 151.—**Peento.** Planted Spring 1894. Tree a weak grower.
- 152.—**Picquet's Late.** Planted Spring 1894. Tree a moderate grower.
- 153.—**Poole's Large Yellow.** Planted Spring 1896. Tree a medium grower.
- 154.—**Pound's Hardy.** Planted Spring 1895. Tree a medium grower.
- 155.—**Pratt.** Planted Spring 1891. Tree a strong grower. Fruit of medium size, roundish, with a deep suture. Skin yellow, nearly covered with red. Flesh yellow, juicy and sweet, with a pleasant flavour. Season early September.
- 156.—**President Griepenkerl.** Planted Spring 1899. Tree a medium grower.
- 157.—**Princess of Wales.** Planted Spring 1890. Tree a strong grower. Fruit above medium size, roundish, with a shallow suture. Skin creamy white, with dots and splashes of red. Flesh white, juicy, melting, quality very good. Season last of August.
- 158.—**Queen Olga.** Planted Spring 1896. Tree a slow grower.
- 159.—**Red Cheek Melocoton.** Planted Spring 1891. Tree a strong grower. Fruit of medium size, roundish, with a shallow suture. Skin yellow, nearly covered with splashes and dots of red. Flesh fine grained, juicy, yellow, sweet and rich. Season early September.
- 160.—**Red River.** Planted Spring 1896. Tree a strong grower.
- 161.—**Reed's Early Golden.** Planted Spring 1891. Tree a strong grower. Fruit large, roundish. Skin clear yellow, with dots and splashes of bright red. Flesh deep yellow, firm, juicy and sweet, quality good. Season early September.
- 162.—**Reeves' Favourite.** Planted Spring 1891. Tree a strong grower. Fruit large, roundish, oval. Skin yellow, with a bright red cheek. Flesh golden yellow, juicy and melting, quality good. Season middle of September.
- 163.—**Rouge de Mai.** Planted Spring 1895. Tree a moderate grower.
- 164.—**Royal Kensington.** Planted Spring 1894. Tree a medium grower.
- 165.—**Salway.** Planted Spring 1890. Tree a strong grower. Fruit does not mature here.
- 166.—**Sanders.** Planted Spring 1899. Tree a medium grower.
- 167.—**Schlomer's Early.** Planted Spring 1896. Tree a medium grower.
- 168.—**Schumacher.** Planted Spring 1890. Tree a vigorous grower.
- 169.—**Scott's Nonpareil.** Planted Spring 1891. Tree a strong grower.
- 170.—**Scruggs.** Planted Spring 1892. Tree a medium grower.

- 171.—**Sea Eagle.** Planted Spring 1893. Tree a moderate grower. Fruit small, round, flattened. Skin yellow, with a bright red cheek. Flesh yellow, firm, juicy and sweet. Season last of September.
- 172.—**Shanghae.** Planted Spring 1894. Tree a strong grower.
- 173.—**Shipley's Late.** Planted Spring 1891. Tree a strong grower. Fruited, but fruit did not ripen.
- 174.—**Silver Medal.** Planted Spring 1894. Tree a medium grower.
- 175.—**Smock.** Planted Spring 1890. Tree a strong grower. Fruit large, oval, too late for this district. Did not ripen.
- 176.—**Sneed.** Planted Spring 1897. Tree a medium grower.
- 177.—**Snow's Orange.** Planted Spring 1892. Tree a strong grower. Fruit of medium size, roundish, with a deep suture and one side enlarged. Skin creamy white, with a bright red cheek. Flesh yellowish, juicy, sweet, with a fine rich flavour. Season early September.
- 178.—**Spath's Seedling.** Planted Spring 1896. Tree a medium grower.
- 179.—**Stedley.** Planted Spring 1891. Tree a strong grower, but too late for this climate.
- 180.—**Southern Early.** Planted Spring 1891. Tree a strong grower. Fruit large, oblong. Skin creamy white, with a bright red cheek. Flesh white, juicy, with a very pleasant flavour. Season middle of August.
- 181.—**Stevens' Rareripe.** Planted Spring 1890. Tree a strong grower.
- 182.—**Stirling Castle.** Planted Spring 1893. Tree a weak grower.
- 183.—**Stonewall Jackson.** Planted Spring 1891. Tree a strong grower.
- 184.—**Stump.** Planted Spring 1890. Tree a medium grower.
- 185.—**Sulhampstead.** Planted Spring 1893. Tree a weak grower.
- 186.—**Summer Snow.** Planted Spring 1897. Tree a strong grower.
- 187.—**Surpasse Melocoton.** Planted Spring 1890. Tree a strong grower. Fruit large, roundish. Skin yellowish, with a red cheek. Flesh pale yellow, juicy, firm and high flavoured. Season middle of September.
- 188.—**Susquehanna.** Planted Spring 1891. Tree a strong grower. Fruit too late, does not ripen in this climate.
- 189.—**Sylphide.** Planted Spring 1892. Tree a medium grower.
- 190.—**Teton de Venus.** Planted Spring 1899. Tree a medium grower.
- 191.—**Thurber.** Planted Spring 1891. Tree a strong grower.
- 192.—**Toledo Prolific.** Planted Spring 1894. Tree a medium grower.
- 193.—**Topaz.** Planted Spring 1894. Tree a strong grower. Fruited, but fruit did not ripen.
- 194.—**Troth's Early.** Planted Spring 1891. Tree a weak grower.
- 195.—**Vilmorin.** Planted Spring 1899. Tree a medium grower.
- 196.—**Violette hâtive.** Planted Spring 1893. Tree a medium grower. Fruit small, globular, with a shallow suture. Skin greenish yellow, splashed and dotted with red. Flesh whitish, juicy, tender, sprightly, with a pleasant flavour. Season early September.
- 197.—**Venus.** Planted Spring 1899. Tree a strong grower.
- 198.—**Wager.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, roundish, with a shallow suture. Skin yellow, with a blush. Flesh yellowish, juicy, with a pleasant flavour. Season last of September.
- 199.—**Walburton Admirable.** Planted Spring 1893. Tree a moderately strong grower.
- 200.—**Walker.** Planted Spring 1892. Tree a strong grower.
- 201.—**Ward's Late.** Planted Spring 1891. Tree a strong grower. Fruited, but the fruit did not ripen.
- 202.—**Washington.** Planted Spring 1896. Tree a medium grower.
- 203.—**Waterloo.** Planted Spring 1890. Tree a strong grower. Fruit of medium size, nearly round, suture wide. Skin greenish white, with a dark red cheek and lighter red over nearly the whole surface. Flesh whitish, juicy, sweet, quality good. Season middle of August.
- 204.—**Wheatland.** Planted Spring 1890. Tree a strong grower.
- 205.—**White Magdalene.** Planted Spring 1896. Tree a slow grower.
- 206.—**Wheeler's Late.** Planted Spring 1891. Tree a strong grower. Fruited, but fruit did not ripen.
- 207.—**Wilder.** Planted Spring 1896. Tree a medium grower.
- 208.—**Willermoz.** Planted Spring 1896. Tree a strong grower.
- 209.—**Willet.** Planted Spring 1891. Tree a strong grower. Fruit large, roundish, with a deep suture. Skin greenish yellow, with dots and splashes of red. Flesh whitish, firm, moderately juicy and sweet. Season last of September.
- 210.—**Williamson's Choice.** Planted Spring 1891. Tree a strong grower.
- 211.—**Wonderful.** Planted Spring 1891. Tree a strong grower.
- 212.—**Yellow Rareripe.** Planted Spring 1894. Tree a strong grower.
- 213.—**Yum Yum.** Planted Spring 1894. Tree a weak grower.

CATALOGUE

OF

APRICOTS

- 1.—**Acme**. Planted Spring 1890. Tree a strong grower but a shy bearer. Fruit large, slightly oblong, with a well marked suture. Skin a warm yellow with a red cheek. Flesh yellow, juicy, sweet, with a fine flavour, quality good. Season last of July.
- 2.—**Alexis**. Planted Spring 1890. Tree a strong grower. Fruit of medium size, round, flat, with a suture. Skin greenish yellow, with a reddish blush. Flesh juicy, sub-acid, with a pleasant flavour. Season last of July.
- 3.—**Alberge de Montgamet**. Planted Spring 1890. Tree a vigorous grower. Fruit small to medium, oval, with a shallow suture. Skin light yellow, with a reddish blush. Flesh yellowish, firm, slightly acid, with a pleasant flavour. Season last of July and early August.
- 4.—**Alexander**. Planted Spring 1890. Tree a strong grower. Fruit small roundish. Skin yellowish green. Flesh greenish yellow, juicy and rich. Season early August.
- 5.—**Ambrosia**. Planted Spring 1896. Tree a weak grower.
- 6.—**Anselm**. Planted Spring 1896. Tree a medium grower.
- 7.—**Beauge**. Planted Spring 1896. Tree a strong grower.
- 8.—**Beauty of Toulouse**. Planted Spring 1896. Tree a strong grower.
- 9.—**Bongoume**. Planted Spring 1894. Tree a strong grower.
- 10.—**Breda**. Planted Spring 1890. Tree a strong grower. Fruit small, roundish, suture medium. Skin orange. Flesh orange, juicy, rich, with a fine flavour. Season early August.
- 11.—**Budd**. Planted Spring 1890. Tree a strong grower. Fruit small, roundish. Skin dull yellow, Flesh yellow, sweet and rich. Season last of July.
- 12.—**Catherine**. Planted Spring 1890. Tree a strong grower. Fruit small. Skin dull greenish yellow, with a bronze red cheek. Flesh greenish yellow, juicy, pleasantly sub-acid. Season last of July.
- 13.—**Canino Grosso**. Planted Spring 1890. Tree a strong grower.
- 14.—**De Coulonge**. Planted Spring 1890. Tree a strong grower.
- 15.—**Dr. Evat**. Planted Spring 1894. Tree a medium grower.
- 16.—**Early Golden**. Planted Spring 1891. Tree a medium grower.
- 17.—**Early Montplaisir**. Planted Spring 1896. Tree a weak grower.
- 18.—**Early Muscat**. Planted Spring 1896. Tree a medium grower.
- 19.—**Early Orange**. Planted Spring 1896. Tree a strong grower.
- 20.—**Elsasser**. Planted Spring 1896. Tree a strong grower.
- 21.—**Eureka**. Planted Spring 1891. Tree a medium grower.
- 22.—**Gibb**. Planted Spring 1890. Tree a strong grower. Fruit small. Skin dull greenish yellow. Flesh yellow, not tender or juicy, sweet, with a pleasant flavour. Season last of July.
- 23.—**Golden Drop**. Planted Spring 1896. Tree a weak grower.
- 24.—**Harris**. Planted Spring 1893. Tree a medium grower.
- 25.—**Holland**. Planted Spring 1896. Tree a weak grower.
- 26.—**Hubbard**. Planted Spring 1894. Tree a strong grower.
- 27.—**Hungarian**. Planted Spring 1896. Tree a very weak grower.
- 28.—**I. X. L.** Planted Spring 1895. Tree a strong grower.

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| 29.— Jaques. Planted Spring 1896. Tree a medium grower. | 42.— Peach of Nancy. Planted Spring 1896. Tree a medium grower. |
| 30.— Koume. Planted Spring 1896. Tree a weak grower. | 43.— Pourtales. Planted Spring 1896. Tree a weak grower. |
| 31.— Large Early. Planted Spring 1894. Tree a strong grower. | 44.— Roberson. Planted Spring 1896. Tree a weak grower. |
| 32.— Large Orange. Planted Spring 1896. Tree a weak grower. | 45.— Royal. Planted Spring 1890. Tree a strong grower. Fruit of medium size, roundish, flattened slightly. Skin dull yellow, with a red cheek. Flesh yellow, firm, juicy and rich. Season early August. |
| 33.— Large Red. Planted Spring 1896. Tree a strong grower. | 46.— Roman. Planted Spring 1892. Tree a strong grower. |
| 34.— Longfellow. Planted Spring 1894. Tree a strong grower. | 47.— St. Ambroise. Planted Spring 1896. Tree a strong grower. |
| 35.— Moorpark. Planted Spring 1890. Tree a strong grower. | 48.— Smith. Planted Spring 1894. Tree a medium grower. |
| 36.— Muscat. Planted Spring 1896. Tree a weak grower. | 49.— Sweet Russian. Planted Spring 1894. Tree a strong grower. |
| 37.— Musch Musch. Planted Spring 1893. Tree a weak grower. | 50.— Syrian. Planted Spring 1896. Tree a weak grower. |
| 38.— Myers' Early. Planted Spring 1891. Tree a strong grower. | 51.— Tours. Planted Spring 1896. Tree a strong grower. |
| 39.— Nicholas. Planted Spring 1890. Tree a strong grower. Fruit small, roundish. Skin dull yellow. Flesh yellow, sweet, with a pleasant flavour. Season early August. | 52.— Turkey. Planted Spring 1890. Tree a strong grower. |
| 40.— Oullin's Early Peach. Planted Spring 1896. Tree a strong grower. | 53.— Triumph. Planted Spring 1896. Tree a strong grower. |
| 41.— Oullin's Peach. Planted Spring 1896. Tree a strong grower. | |

CATALOGUE

OF

NECTARINE TREES.

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| <p>1.—Albert Victor. Planted Spring 1893. Tree a strong grower.</p> <p>2.—Ananas. Planted Spring 1899. Tree a medium grower.</p> <p>3.—Boston. Planted Spring 1890. Tree a strong grower. Fruit of medium size, roundish, oval. Skin bright yellow, with a red cheek. Flesh yellow, sweet, rich. Season early September.</p> <p>4.—De Croncells. Planted Spring 1899. Tree a poor grower.</p> <p>5.—Downton. Planted Spring 1890. Tree a strong grower. Fruit of medium size, roundish, oval. Skin pale green, with a red cheek. Flesh pale green, tender, with a rich flavour. Season last of August.</p> <p>6.—Early Mornington. Planted Spring 1890. Tree a strong grower.</p> <p>7.—Early Newington. Planted Spring 1890. Tree a free grower.</p> <p>8.—Early Violet. Planted Spring 1890. Tree a strong grower. Fruit small, round, flattened. Skin yellowish green, with a reddish cheek. Flesh pale green, melting and rich, with a fine flavour. Season last of August.</p> <p>9.—Galopin. Planted Spring 1899. Tree a slow grower.</p> <p>10.—Hardwick. Planted Spring 1891. Tree a strong grower. Fruit large, roundish, oval. Skin pale green, with a dull red cheek. Flesh pale green, juicy, pleasant and rich. Season last of August.</p> | <p>11.—Humboldt. Planted Spring 1893. Tree a medium grower.</p> <p>12.—Hunt's Tawny. Planted Spring 1893. Tree a strong grower.</p> <p>13.—Jaune de Padoue. Planted Spring 1899. Tree a weak grower.</p> <p>14.—Lord Napier. Planted Spring 1891. Tree a strong grower.</p> <p>15.—Long Fruit. Planted Spring 1894. Tree a weak grower.</p> <p>16.—Milton. Planted Spring 1890. Tree a strong grower.</p> <p>17.—New White. Planted Spring 1894. Tree a medium grower.</p> <p>18.—Pineapple. Planted Spring 1893. Tree a weak grower.</p> <p>19.—Pitmaston. Planted Spring 1890. Tree a strong grower.</p> <p>20.—Red Roman. Planted Spring 1890. Tree a strong grower.</p> <p>21.—Spencer. Plant 1890. Tree a strong grower.</p> <p>22.—Stanwick. Planted Spring 1891. Tree a medium grower.</p> <p>23.—Victoria. Planted Spring 1890. Tree a strong grower.</p> <p>24.—Violet. Planted Spring 1899. Tree a medium grower.</p> <p>25.—White. Planted Spring 1899. Tree a moderate grower.</p> |
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CATALOGUE

OF

QUINCE TREES

None of the quinces have proved of any value, as none have fruited although several have made a fair growth and have bloomed several years.

- 1.—**Bourgeat.** Planted Spring 1898. Tree a medium grower.
- 2.—**Champion.** Planted Spring 1890. Tree a poor grower.
- 3.—**Mammoth Japan.** Planted Spring 1895. Tree a strong grower.
- 4.—**Meech's Prolific.** Planted Spring 1891. Tree a poor grower.
- 5.—**Metz Apple.** Planted Spring 1896. Tree a medium grower.

- 6.—**Muscat.** Planted Spring 1896. Tree a poor grower.
- 7.—**Orange.** Planted Spring 1890. Tree a poor grower.
- 8.—**Pear.** Planted Spring 1890. Tree a poor grower.
- 9.—**Persian.** Planted Spring 1896. Tree a strong grower.
- 10.—**Portuguese.** Planted Spring 1896. Tree a medium grower.
- 11.—**Rea's Mammoth.** Planted Spring 1891. Tree a medium grower.
- 12.—**The Fuller.** Planted Spring 1891. Tree a feeble grower.

CATALOGUE
OF
MEDLAR TREES

The medlars are all vigorous growers and regular and free producers.

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| <p>1.—Coreless. Planted Spring 1896. Tree a strong grower. Fruit medium size.</p> <p>2.—Giant. Planted Spring 1896. Tree a vigorous grower and free producer. Fruit large and handsome.</p> <p>3.—Holland. Planted Spring 1895. Tree a vigorous grower and free producer. Fruit medium size.</p> | <p>4.—Kinglike. Planted Spring 1896. Tree a vigorous grower and free producer. Fruit medium size.</p> <p>5.—Large Fruited. Planted Spring 1896. Tree a vigorous grower and free producer. Fruit medium size.</p> <p>6.—Nottingham. Planted Spring 1893. Tree a vigorous grower and free producer. Fruit below medium.</p> <p>7.—Royal. Planted Spring 1895. Tree a strong grower and free producer.</p> |
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CATALOGUE
OF
MULBERRY TREES

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| <p>1.—Black. Planted Spring 1893. Tree a vigorous grower and free producer. Fruit one and a quarter and one and a half inches long, beginning to ripen in June and continues until September. Mild, not acid, pleasant flavour.</p> <p>2.—Downing's Everbearing. Planted Spring 1893. Tree a strong grower and free producer. Fruit very similar to the Black.</p> <p>3.—Hick's Everbearing. Planted Spring 1893. Tree a strong grower and free producer. Fruit very similar but not quite so large as Black.</p> | <p>4.—New American. Planted Spring 1893. Tree a strong grower and free producer. Fruit only medium size, sweet and fine flavour.</p> <p>5.—White. Planted Spring 1893. Tree a strong grower and fair producer. Fruit small, reddish pink, only fair quality.</p> <p>6.—Russian. Planted Spring 1895. Tree a vigorous grower.</p> |
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SELECT LISTS
OF
FRUIT TREES

SUITABLE FOR CULTIVATION IN BRITISH COLUMBIA

APPLES.	PEARS.	CHERRIES.
<ol style="list-style-type: none"> 1.—Yellow Transparent. 2.—Duchess of Oldenburg. 3.—St. Lawrence. 4.—Keswick Codlin. 5.—Maiden's Blush. 6.—Hawley. 7.—Wealthy. 8.—Mother. 9.—Blenheim Orange. 10.—Palouse. 11.—Ribston Pippin. 12.—Grimes Golden. 13.—Belle de Boskoop. 14.—Pewaukee. 15.—Canada Red. 16.—Baldwin. 17.—Jonothan. 18.—Sutton Beauty. 19.—Salome. 20.—Stark. 	<ol style="list-style-type: none"> 1.—Dearborne Seedling. 2.—Margaret. 3.—Bartlet. 4.—Dr. Jules Guyot. 5.—Clapp's Favourite. 6.—Boussock. 7.—Howell. 8.—Rivers Princess. 9.—Clairgeau. 10.—Rivers Monarch. 	<ol style="list-style-type: none"> 1.—Elton. 2.—Royal Ann. 3.—Black Tartarian. 4.—May Duke. 5.—Windsor. 6.—Yellow Spanish. 7.—Early Richmond. 8.—Late Duke. 9.—Glaskirsche Doppelte. 10.—Kings Morello. 11.—Brusseler Braun.
	PLUMS.	
	<ol style="list-style-type: none"> 1.—Peach. 2.—Bradshaw. 3.—Mallard. 4.—Grand Duke. 5.—Monarch. 6.—Coe's Golden Drop. 7.—Goliath. 8.—Lincoln. 9.—Spaulding. 10.—Pond's Seedling. 	
		PEACHES.
		<ol style="list-style-type: none"> 1.—Alexander. 2.—Early Crawford. 3.—Foster. 4.—Mountain Rose. 5.—Wheatland.

DEPARTMENT OF AGRICULTURE
CENTRAL EXPERIMENTAL FARM
OTTAWA, CANADA

ALKALI SOILS

THEIR NATURE AND RECLAMATION

BY

FRANK T. SHUTT, M.A.
Chemist of the Dominion Experimental Farms

BULLETIN No. 4
Second Series

Bulletins of the Second Series treat of such subjects as are of interest to a limited class of readers, and will be mailed only to those to whom the information is likely to be useful. Copies may, however, be obtained by anyone desiring them, as long as the edition lasts, by application to the Director of the Experimental Farms.

To the Honourable
The Minister of Agriculture.

SIR,—I have the honour to submit for your approval Bulletin No. 4 of Series 2 on 'Alkali Soils their Nature and Reclamation,' which has been prepared by the chemist of the Dominion Experimental Farms, Mr. Frank T. Shutt.

In this bulletin the origin of the different sorts of 'alkali' soils is discussed, also their composition and characteristics, and methods of treatment are suggested whereby the alkali in such soils may be lessened or removed. It is believed that the information contained in this bulletin will be very useful to farmers living in those parts of the great Northwest plains and British Columbia where alkali is occasionally found.

As the alkali here referred to is rarely, if at all, found in Eastern Canada the distribution of this bulletin will be limited to those portions of the Dominion where alkali in the soil is found. Provision however is made whereby copies may be had by farmers in any other part of the Dominion on application to the Director, Central Experimental Farm, Ottawa.

I have the honour to be,
Your obedient servant,

WM. SAUNDERS,
Director of Experimental Farms.

ALKALI SOILS

THEIR NATURE AND RECLAMATION

BY

FRANK T. SHUTT, M.A., F.I.C.

Chemist, Dominion Experimental Farms.

The past five years have witnessed the preparation for tillage and settlement of many areas in the semi-arid districts of Canada—situated more particularly in parts of British Columbia and Southwestern Alberta. From the attention that is to-day being called to the natural advantages of such districts, more especially for fruit and vegetable growing in British Columbia, and alfalfa and general farming crops in Alberta, the probability is that during the next five years there will be a still larger influx of settlers into these parts and many as yet new and untried areas will be taken up. It is with the object of assisting those who are already occupying ranches, as well as those who propose taking up land, in these semi-arid districts—and in which 'alkali' occurs in places—that the information contained in this bulletin is furnished.

While as yet it may not be definitely settled as to the boundaries of these semi-arid districts, there can be no doubt on two points in regard to many of these areas now under cultivation or at present being exploited, viz.: the necessity of irrigation for ensuring success, and the occurrence in many places of alkali spots or tracts, either naturally present or developed subsequent to occupation through injudicious irrigation. Irrigation has been and is being provided on a comprehensive scale in certain localities but where such large systems are not in existence or are not possible, many individuals have made the effort, each farmer for himself, to establish a local water supply, chiefly from mountain streams. Instances of the former, for example, are to be found working satisfactorily in the Okanagan district; while with regard to the latter, we find the settlers in the valleys of the Columbia, Kootenay and Nicola for the most part dependent on possibly a limited and more or less strictly local source. Successful agriculture under irrigation calls for a special knowledge in the management of water. The primary use of water by irrigation is, of course, to supply the crops' needs, but it may also be employed as an important agent in the reclamation of lands more or less sterile through the presence of certain mineral salts, known commonly as alkali. On the other hand, the injudicious use of irrigation water may injure most severely land capable of producing excellent crops, through causing a 'rise of alkali.' Further, the excessive use of water is to be avoided, even on well drained land, from the fact that such retards the natural maturation or ripening of the crop.

From a consideration of what has been said it will be obvious that the agricultural problems of the semi-arid districts differ widely from those the farmer in other places in Canada has to encounter. Two of these are here more particularly discussed: the reclamation of alkali lands where such naturally occur and the precautions to be taken against the appearance of alkali on lands at present fertile.

'Alkali' does not exist in Canada to the same extent as in many of the North-western States; indeed, it is not a serious menace to the settlement and successful cultivation of the greater part of the semi-arid belt. But few extensive areas or tracts of alkali land naturally occur in the Dominion; the chief difficulty in this matter arises from the so-called occasional presence of alkali spots or patches. These vary greatly in size, from a few square feet to, perhaps, several acres, and in the majority of instances are caused by impregnation of the soil by 'white' alkali. The more injurious 'black' alkali is of a much less frequent occurrence.*

THE NATURE AND FORMATION OF SOILS IN GENERAL.

Arable soils are made up of two great classes of constituents: (1) mineral, as derived from the disintegration and partial decomposition of rock material; and (2) vegetable matter (humus), the semi-decomposed remains of past generations of plant life. It is from the former that the stores of lime, phosphoric acid, potash, etc., present in the soil are furnished, while the latter supplies the nitrogen required for crop growth and at the same time acts as an important factor in regulating the temperature, the moisture-content and the aeration of the soil.**

Though our virgin soils are the product of many centuries, soil formation is not merely a matter of the past; it is now going on. Under natural conditions, as in the forest, our soils are being constantly enriched in humus from decaying roots, fallen leaves—from the death and decay of vegetation generally, and, further, by chemical re-actions favoured by warmth, moisture, carbonic acid, &c., the rock elements of the soil are being continually, though no doubt slowly, decomposed, giving rise to soluble mineral compounds, some of which may be useful and others injurious to plant life.

THE ORIGIN OF ALKALI SOILS.

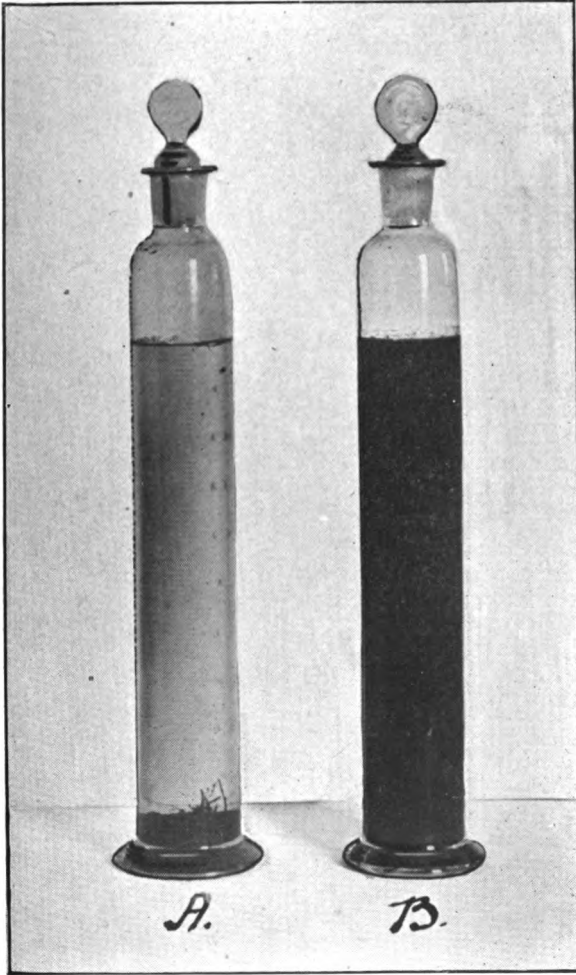
In humid districts, i.e., those enjoying a more or less generous rainfall, the mineral salts formed by these processes, known popularly as 'weathering,' are disposed of as produced. In part they are utilized by vegetation, and any remaining injurious salts leach downward and drain away; there can be no accumulation of them in the surface soil.

But such is not always the case in arid and semi-arid districts. Here we find the scanty rainfall, while sufficient to promote the formation of these soluble mineral salts, quite inadequate to their removal by drainage. If they descend a few inches, or even a few feet, there is not enough flow of water through the soil to carry them right away and subsequent evaporation of the water that holds them in solution and the action of capillarity brings them to the surface, where they accumulate, forming the so-called alkali, rendering the soil more or less unsuitable for agricultural purposes. The alkali may simply impregnate the surface soil, or if evaporation greatly exceeds the rainfall, it may appear as an incrustation or efflorescence.

This explanation makes it clear that alkali does not betoken any original property of the soil inimical to vegetation—indeed, the greater number of alkali soils when

* Further information respecting the conditions under which farming and horticulture is carried on in many parts of the semi-arid areas of Northwestern Canada will be found in the report of the Chemical Division of the Experimental Farms for 1904 and 1906, which contain an account by the writer of two extended visits to British Columbia and Southwestern Alberta.

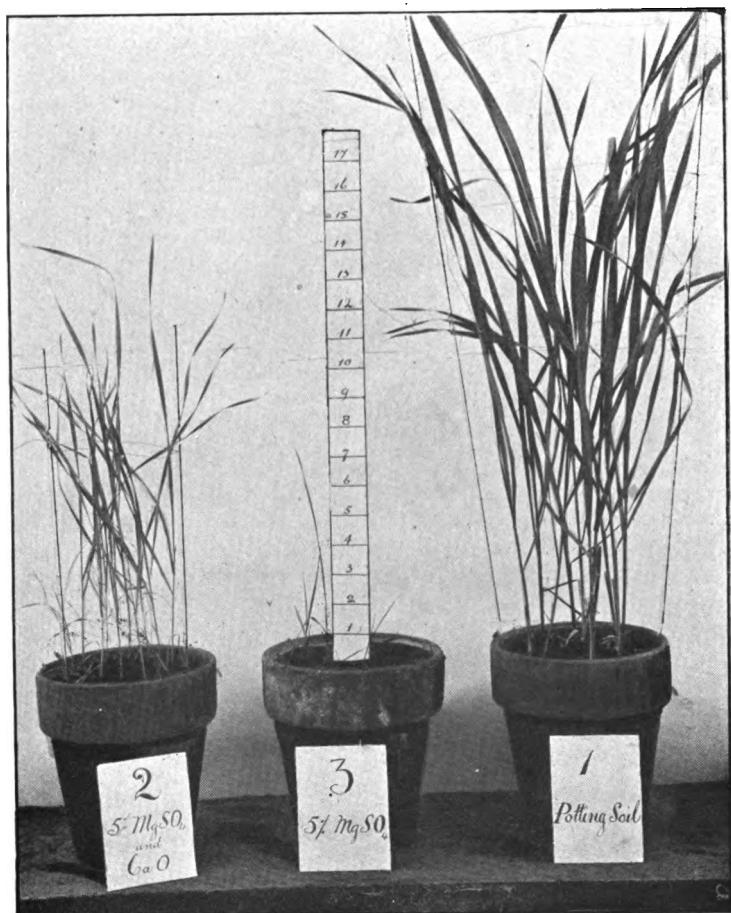
**Humus is Nature's storehouse for nitrogen. As the humus in a soil is increased or decreased so is the nitrogen increased or decreased. Humus performs the useful purpose of so favourably affecting the physical condition of both clays and sands as to render them suitable for the support of crops. It furnishes the material upon which the micro-organisms of the soil feed, thus fostering a valuable agency in the preparation of plant food. And, again, it serves in the maintenance of soil productiveness by constantly liberating in its decomposition certain small amounts of mineral matter in forms peculiarly available for absorption by the roots of plants.



Reclamation of "Black Alkali" soil:—

A—Treated with Land-plaster or Gypsum, showing flocculation and precipitation of humus.

B—Untreated. Humus in solution. Very little sedimentation after several days.



Illustrating beneficial effect of Lime on Magnesian "Alkali":

1. Grain in potting soil.
2. Grain in soil containing Epsom Salts and lime.
3. Grain in soil containing Epsom Salts.

freed from the excess of alkali are exceedingly fertile*—but that its presence is simply owing to certain climatic conditions, briefly, to an insufficient rainfall. Alkali soils, therefore, are characteristic of arid or semi-arid districts only, and these in Canada may be said to be restricted to certain areas in British Columbia, South-western Alberta and in a limited degree, Saskatchewan and Manitoba.

THE COMPOSITION AND DISTRIBUTION OF THE SALTS IN ALKALI SOILS.

The compounds known collectively as alkali comprise chiefly sodium sulphate (Glauber's salts), sodium carbonate (washing soda), sodium chloride (common salt), magnesium sulphate (Epsom salts), and occasionally the chlorides of calcium and magnesium. The total amount of these salts present is extremely variable, percentages from 0.1 to 3.0 being recorded for a depth of the first four inches, from which fact it naturally follows that great differences exist amongst alkali soils as regards their degree of injuriousness to plant life. Again, the 'alkali' may be practically confined, in a concentrated form, to the immediate surface or perhaps upper six inches of soil, or it may be distributed throughout three or four feet, forming an almost negligible percentage of the total soil, depending on the nature of the soil and the amount of rainfall. Towards the end of the dry season, however, there will always be more or less of accumulation of the alkali towards the surface.**

'WHITE' AND 'BLACK' ALKALI.

While the amount of alkali present is undoubtedly a factor gravely affecting the productiveness of a soil and the possibility of its profitable reclamation, the nature of the alkali is a matter of still greater importance. Two classes of alkali are generally recognized 'white' and 'black,' (so-called from the appearance of the respective incrustations) differing as regards the intensity of their toxic action on vegetable life, and also in their amenableness to simple remedial measures.

White alkali consists chiefly of the sulphate and chloride of sodium (Glauber's salt and common salt), but may also contain notable quantities of chloride and sulphate of magnesium (bittern and Epsom salts). Instances have been met by the writer in which the greater part of the alkali was made up almost entirely of these salts of magnesium, but such are not very common. White alkali is, therefore, a generic term, and is used to designate any or all of the aforementioned salts; as already remarked, it is commonly a mixture of several of them.

Black alkali is characterized by the presence of sodium carbonate (sal soda, washing soda), though this compound is almost always associated with one or more of the chlorides and sulphates mentioned in the preceding paragraph. Sodium carbonate is, as is well known, white, but from the fact that it acts upon and dissolves the decayed vegetable matter (humus) of the soil the incrustation is tinged dark brown or black—hence the name. Water standing in pools on soils impregnated with the carbonate is invariably of a darker colour and much resembles a strong infusion of coffee.

INJURY TO PLANTS BY ALKALI.

It follows from what has been said regarding the soluble nature of the 'alkali' salts that the soil-water on such impregnated land is a more or less concentrated solution of these compounds. It is the soil moisture which assists in the germination of

* Chemical analysis has shown that as a class the soils of arid or semi-arid regions are considerably richer in plant food than those of humid districts, and this is particularly true as respects lime and potash.

** Associated with the salts named and which must all be considered injurious to crops, are notable quantities of many compounds useful as plant food, e.g., compounds of potash and phosphoric acid, and these give to the soil, freed from alkali, the high degree of fertility for which such soils are remarkable.

the seed and which is the means of conveying food to the plant rootlets; for the performance of these important functions, it is obvious that it should possess no injurious properties. Experiment has demonstrated that the effect of a solution such as we find in alkali soils on the cells in the tissues of the roots is to extract or withdraw from them by a process known as osmosis their natural water. As a result the cells lose their turgidity, their protoplasmic contents shrink from the cell wall, the plant wilts and death may ensue. The higher the percentage of alkali—in other words, the more concentrated the solution—the more severe the effect in this direction.

Again, there can be little doubt that many of these alkali salts, after absorption by the plant, act as true poisons on the life of the vegetable cell.

As already remarked, 'black' alkali is more violent in its action than 'white' alkali, and consequently is much more to be feared. The sodium carbonate it contains is directly corrosive, cutting into and eating away the tissues, especially at the immediate surface of the soil. Very small quantities in a soil are sufficient to prevent seed germination or to destroy the tender rootlets of the seedling, if the young plant appears. It is also more injurious than white alkali to fruit trees, corroding the tissues of their bark at the surface of the soil, i.e., at the crown of the root. Signs of this girdling are to be observed in the leaves turning yellow and dropping prematurely—such indications are usually the precursor to an early death.*

While speaking of the effect of black alkali on the plant, a word may be added respecting its action on the physical condition of the soil. All kinds of alkali have a tendency to injure a soil's tilth but this is particularly marked in the case of black alkali. The soil readily puddles, flocculation, or the property of forming flakes, is destroyed and the land becomes in a large degree impervious to water. On drying, hard refractory masses are formed and the soil is extremely difficult to work. Very frequently a hard, practically impenetrable hard-pan forms under such soils, making it almost impossible to put in a system of tile sub-drainage.

RECLAMATION OF ALKALI SOILS.

By leaching and under-draining.—Since, as has been shown, the formation or occurrence of alkali is due to an insufficient rainfall, it naturally follows that thoroughly washing the soil should prove an effective means of getting rid of the injurious soluble salts. It forms, indeed, of all remedial measures the one that gives the most satisfactory and permanent results. Alkali lands for the most part occur in regions where provision is made for supplying the crops' needs with water by irrigation. This water can be used to wash out and carry away the alkali. However, if the natural drainage of the soil is not good, flooding by irrigation should be preceded by the construction of an adequate system of under-drainage. Irrigation of lands at all heavily charged with alkali and underlaid by a hard-pan, without under-drainage, makes matters worse. Flooding may furnish temporary relief by washing the alkali below the zone occupied by the roots of the crop at the beginning of the season, but as the water evaporates (it cannot escape by drainage) alkali is again brought to the surface by capillarity. If the water has penetrated layers of soil containing much alkali then the surface soil will, as the result of this evaporation, be worse than before the flooding, for it will now be impregnated with salts that were previously distributed through probably 3 to 5 feet of soil. This is known as 'rise of alkali,' a direct result

*The symptoms of suffering from black alkali are very similar to those produced by too high a water table. The writer examined several orchards on low lying areas in British Columbia in which the trees were dying, supposedly from black alkali, but which were found to be planted on a soil practically free from alkali but in which the water stood within a few inches of the surface for weeks together at certain seasons of the year. It is well, therefore, if the trees show injury, to examine into the matter, bearing this in view. Drainage is essential, and if not naturally good, it must be provided, whether alkali is present or not. Further, if carbonate of soda is suspected, even in traces, land plaster should be sprinkled around the base of the trees and quite close to the trunk, to prevent carrossion of the tissues. It will be found an excellent preventive against injury from black alkali.

of the injudicious irrigation or flooding. It is the 'rise of alkali' caused in this way (irrigation without drainage) that has ruined in the United States large areas of once cultivable fertile lands.

Closely related to this matter is the irrigation of slopes and hill sides. Some provision should be made to carry off the seepage or drainage which otherwise will flood the lower levels and bottom lands, causing much injury either through rise of the water level, so that the crops' roots are 'drowned,' or by the accumulation of alkali. Several areas have been examined by the writer that have been seriously injured by such seepage, in one or other of these ways—frequently through both—and which were but a few years ago yielding excellent crops. It seems strange to those who have not given the matter thought that alkali should appear on these bottom lands when before irrigation there would be no indication of it either in the soil of the hill side or bottom land, but it must be remembered that in a semi-arid country there will always be in the soil more or less mineral matter (salts) that can be washed out. This, after a few seasons, accumulates and by concentration may assume dangerous proportions; indeed, it may utterly ruin the land on flats and lower areas unless efficient drainage is provided. Surface drains are of some value, but tile drainage is much more effective.

The treatment of black alkali.—Some years ago it was pointed out by Prof. Hilgard, Director of the California Experiment station, that the application of land plaster (ground gypsum) to soil impregnated with black alkali would convert the corrosive carbonate of sodium into the sulphate of sodium, the chief constituent of white alkali, which, as we have seen, is a milder form as regards vegetable life. This suggestion has proved most valuable, enabling large tracts of useless soil in the United States to be effectively and cheaply reclaimed. If the carbonate is only present in small amounts, the land may be rendered cultivable simply by a dressing of land plaster, but in the majority of instances it will be necessary to subsequently wash out, as already described, the resulting sulphate before the soil is fit for bearing crops. The amount of land plaster to be used for complete conversion of the carbonate into sulphate can only be calculated after an analysis has been made determining the amount of carbonate present in the soil—it may vary from several hundredweights per acre to as many tons. However, as Hilgard has pointed out, 'it is not usually necessary to add the entire quantity at once, provided that sufficient be used to neutralize (convert into sulphate) the sodic carbonate near the surface, and enough time be allowed for the action to take place.'

A word must be added regarding the beneficial effect of the land plaster on the texture of black alkali soil. An improvement is almost immediately seen. Hilgard says: 'The blackish puddles and spots disappear, because the gypsum renders the dissolved humus insoluble and thus restores it to the soil. The latter soon loses its hard, puddled condition and crumbles and bulges into a loose mass, into which water now soaks freely, bringing up the depressed spots to the general level of the land. On the surface thus changed, seeds now germinate and grow without hindrance; and as the injury from alkali occurs at or near the surface, it is usually best to simply harrow in the plaster, leaving the water to carry it down and the solution of soluble phosphates present are decomposed so as to retain finely divided, but less soluble, earth phosphates in the soil.' Drainage, which usually is exceedingly difficult on black alkali soils is by the use of gypsum made practicable. Excess of gypsum can do no harm; indeed, it may be considered a fertilizer of some value, but naturally it can be of no service to soils impregnated with white alkali.

Removal of alkali from the surface of the soil.—When the alkali occurs, as it frequently does, in spots or patches of limited areas, and flooding and drainage are impracticable or impossible, the alkali may be removed, wholly or in part, by the use of a horse scraper or similar implement. Three to six inches of the surface soil are usually sufficient to take off and, as pointed out by Hilgard, 'this loss is of little moment on the deep soils of the arid regions.'

The prevention of surface evaporation.—All methods of culture that tend to check evaporation are useful and should be employed on alkali soils, for it should be always borne in mind that it is this evaporation that causes the accumulation of alkali at or near the surface.

Frequent cultivation breaks up capillarity and thus arrests evaporation. In many cases of white alkali where the proportion of salts is light, this may in itself prove sufficient, and on such spots a root or other hoed crop may be planted that will allow the surface to be kept continually in the condition of a loose, dry mulch.

Various mulching materials, e.g., straw, manure, etc., have been employed to check evaporation, but have not been found so successful as cultivation, though possibly they have a value for orchards and small fruit plantations.

Crops which furnish abundant shade, e.g., fruit trees, alfalfa, &c., are often effective in preventing a rise of the alkali by evaporation, but naturally they are more effective in preventing the occurrence of alkali where it exists in very small amounts—probably not discernable—than on soils where alkali already occurs in considerable quantities.

Cultivation should be associated with deep—extra deep—ploughing. The bulk of the alkali is already at the surface and the turning under of the surface soil and its consequent mixing with the relatively free lower soil may often suffice in itself to produce a soil in which ordinary crops will grow. This deep tillage must, of course, be followed by frequent and fairly deep cultivation in order to prevent the subsequent rising of the alkali. Hilgard says on this point: 'Whatever else is done towards reclamation, *deep preparation and thorough cultivation* must be regarded as prime factors for the maintenance of production on alkali lands.'

Application of manure.—Heavy and repeated applications of manure—more especially horse manure—have been found of great value for alkali spots. This treatment is frequently entirely successful in reclaiming the soil in the course of two or three seasons and may be confidently recommended for trial in cases where the alkali content is not high.

Possibly the beneficial action of manure is in three directions: First, as furnishing immediately available food for the young plant. Thus, while the rootlets are in the most tender and susceptible stage they readily find nourishment and the crop is forced along until it has gained sufficient robustness and vigour to withstand a certain amount of alkali. Secondly, the mixing of the manure with the soil must vastly improve the mechanical condition or texture of the latter, rendering it more mellow and permeable to water and allowing its more ready aeration—in fact, in many ways making the soil a more comfortable foraging ground for roots. And, lastly, while destroying capillarity in the surface soil it also acts partly as a surface mulch and thus serves very materially in preventing the accumulation of alkali.

Lime for magnesian alkali.—Occasionally alkali is found that consists largely, almost entirely of magnesium sulphate (Epsom salts), though sodium salts will not be altogether absent. Such 'alkali' may be corrected by an application of lime, or marl, followed by drainage and irrigation. Experiments carried on by the writer some years ago showed very clearly the beneficial effect on vegetation following the mixing of lime or marl with the soil—the chemical reaction being the conversion of the injurious magnesium sulphate into an insoluble, inert magnesium compound—sulphate of lime (gypsum) being at the same time formed.

It is important before making any application of lime to ascertain the nature of the alkali present—or the results may be disastrous. If lime were added to soils containing more than traces of sulphate or carbonate of sodium ('white' and 'black' alkali) appreciable quantities of caustic soda would be formed, and this is a most corrosive compound and one exceedingly injurious to vegetation. In bringing to a conclusion this discussion on remedial measures, I am led to say a word regarding the popular impression prevailing among farmers in districts affected with alkali, that there is or ought to be some chemical which if applied to the commonly occurring

white alkali (chiefly sulphate and chloride of sodium) will 'kill' or neutralize the injurious compounds. Such is not the case. As already stated, washing out and carrying away by drainage furnish the only means of getting rid of the alkali.

CROPS FOR ALKALI SOILS.

Plants differ in their alkali-resistant powers: some will thrive and come to maturity on soils so highly impregnated that for the majority of crops there can be no possible hope of success. Such plants are, of course, of great value in alkali districts. Again, certain plants will absorb considerable quantities of white alkali without much retardation of their growth, and these may be used as an agent in the reclamation of impregnated areas.

Sugar beets are remarkably tolerant of alkali; their growth removes large quantities of the mineral salts, so that in a few seasons, where the alkali is not severe, this crop may so far improve the soil as to make it agreeable to grain, grasses, etc. At first the beets may be too bitter for stock, but their remedial action is such, we think, as to well compensate for the loss of the crop.

Closely following sugar beets are mangels. While not possessing alkali-resistant power quite equal to beets, they have proven very fairly satisfactory in removing deleterious salts. As these are both hoed crops, the necessary cultivation assists in checking evaporation and, therefore, in retarding the rise and accumulation of alkali.

As for cereals, opinions differ as to the relative resistant powers of oats and barley. Generally, barley is considered the more successful crop for affected land, though Jensen has shown oats to be more resistant where the greater part of the alkali is sodium sulphate. Wheat is more susceptible than either barley or oats; of varieties commonly sown, the macaroni or durum wheats are stated to be the most resistant.

Among the good grasses that can be grown on alkali lands are Timothy, Awnless Brome Grass, Red Top and Perennial Rye Grass. Evidence has accumulated in Canada to show that Brome Grass is particularly valuable for this purpose; apparently it can withstand a fair amount of white alkali.

The legumes, with perhaps the exception of Alfalfa and Sweet Clover, appear to be particularly sensitive to alkali. Alfalfa is grown on tracts which show alkali spots, and, once fairly established, yields large returns. To obtain a catch it is necessary that the upper few inches of soil in which the seed must germinate should be practically free of alkali. When fully grown, no doubt the feeding part of the root system of the Alfalfa is far below the layers of soils containing alkali. The shade produced by the crop is instrumental in preventing accumulation of alkali at the surface.

In writing of crops for alkali infected land, Mr. W. H. Fairfield, Superintendent Experimental Farm, Lethbridge, Alta., who has had considerable experience in the reclamation of alkali soils, says: 'Among the legumes, Sweet Clover (*melilotus alba*) will grow on land where few other plants will. However, it is of little or no value for feed, and is often a bad weed. It has been found of value to grow on alkali ground preparatory to the sowing of crops with less alkali-resistant power.'

Very few vegetables can be successfully grown on alkali soil. The tolerance of beets has already been referred to; asparagus is also another exception. The latter can resist and thrive in soil containing considerable amounts of white alkali. Potatoes are also an alkali-resistant crop, but the tubers are usually poor in quality and do not keep well. Artichokes are stated to be fairly tolerant of alkali.

As regards fruit trees, both large and small, very little can be said as to relative resisting power. One author gives orchard trees in the order of tolerance as follows: Pear, quince, olive, fig, apples, almond, peach, plum, orange and lemon. As previously remarked, instances have come under the writer's notice in which trees were suffering rather from standing water (a high water-table) than from alkali. Attention to drainage is therefore of the first importance in alkali districts when an orchard is to be planted.

